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The new season dates from October 1, and there will be some changes in subscription prices. For the period, October 1 to November 10, many publishers offer subscriptions at special rates as an inducement to subscribers to place their orders before the December rush begins. We issue a "Last Chance" circular containing these rates and will send a copy to any library or individual interested. We suggest that you submit your next year's list as early as possible, and thereby not only gain the advantage of these special rates but also avoid the rush and danger of error attendant upon the rush of business in the publisher's office during the holiday season. Our Catalog containing the rates from November 10 to September 30, 1914 will be ready for delivery about November 10, and will be sent on request.

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WHITE PLAINS, N. Y.

THE INDUSTRIAL ARTS INDEX

FIRST ANNUAL CUMULATION

SUBJECT INDEX TO A SELECTED LIST OF
ENGINEERING AND TRADE PERIODICALS
FOR 1913

EDITED BY
MARION E. POTTER AND LOUISE D. TEICH



THE H. W. WILSON COMPANY
WHITE PLAINS, N. Y. and NEW YORK CITY
1914

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Industrial Arts Index

Vol. I

December, 1913

No. 5

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Full information in regard to subscription price will be supplied on request.

With this issue the *Industrial Arts Index* completes its first volume. The removal of the publishers from Minneapolis to White Plains prevented the publication of a number in December. The present issue however, is a complete index for 1913 of the magazines listed on the following page. Numbers one and two of volume two will be published as a double number in April and the publishers hope to resume thereafter the regular schedule.

The four numbers thus far published have been in the nature of an experiment. The list of periodicals is still far from complete, and the method of indexing will no doubt need modification as the work is enlarged. Suggestions will be welcome both as to the list of magazines and the improvement of the indexing. Ice and Refrigeration, The Proceedings of the American Society of Civil Engineers, the Electrical Journal, and American Machinist do not appear on the list as the publishers have not yet sent us copies for indexing. The Textile World Record, General Electrical Review, Journal of American Institute of Architects, American Gas Light Journal have been chosen as the next additions, while the indexing of Horseless Age and Electrical Review and Western Electrician which was necessarily omitted from this volume, will be carried back to the beginning of 1913.

One of the difficulties of indexing engineering magazines is to indicate the fact that certain articles appear in more or less similar form in several different periodicals. As the titles of these articles usually vary, it takes a good deal of time to establish their identity or partial identity. This happens frequently in the case of reports or abstracts of papers presented before engineering or trade societies. The original paper may be published in one magazine, a portion of it in another, reasonably full abstracts in a third, and perhaps a brief summary in a fourth. An expression of opinion is very much desired as to the importance of indicating the relationship of these articles to one another. Should they be combined in one entry under one title,

with some abbreviation or symbol to show the relationship e. g. "Same cond." or "extracts," or might they be entered separately each under its own title and the time thus saved be spent more profitably in improvements in other directions?

Miss Louise Teich has edited copy and read the final proof of this index. Credit is due also to Mrs. Nellie Shimer for valuable assistance.

The American Institute of Mining Engineers publishes an index to volumes 36 to 40 of its Transactions, covering the years 1905 to 1909. This index supplements the "General Alphabetical and Analytical Index" of volumes 1 to 35. A new arrangement of material under group headings is introduced.

The American Society for Testing Materials has published an index to the first twelve volumes of the Proceedings of the society. Volume 1 contains the index to the twenty-eight bulletins that were issued at irregular intervals from 1898 to 1902. Volume 2 contains the index to the annual volumes which have been issued since that date, including the volume for 1913. A table of contents giving the contents for each individual volume follows the index proper.

The "Index to Transactions of the American Institute of Electrical Engineers" in two volumes has been issued by that society. "This index consists of two separate parts, each intended for a distinct purpose. First. There is an index of papers in which they are classified in natural groups and arranged chronologically in each group. Second. There is an index to specific data and information arranged alphabetically. The index of papers is intended for searchers desiring to locate papers on a given subject, and to aid in this search the papers have been characterized. These characterizations are not intended to be abstracts of the papers, but rather to give the scope and nature of their contents. . . . The index to specific data and information is intended for searchers desiring to make a complete study of the subject as presented in the Transactions. There is a great mass of valuable information hidden in discussions which has no very direct connection with the subject of the paper. This data can be found only by reference to such a topical index." (Introduction) Volume 1 covers the period from 1884 to 1900 inclusive; volume 2, from 1901 to 1910 inclusive.

List of Periodicals Indexed

- Am Eng**—American Engineer. See Ry Age (Mech ed).
- Am Ind**—American Industries. \$1; single numbers 10c. National Manufacturers Co., 30 Church St, New York.
- Am Inst E E Pro**—American Institute of Electrical Engineers. Proceedings. \$10; single numbers \$1. F. L. Hutchinson, sec., 33 W. 39th St, New York.
- Am Inst Min E Bul**—American Institute of Mining Engineers. Bulletin. subs. \$10; to members, public libraries, and educational institutions, \$5. Joseph Struthers, sec., 29 W. 39th St, New York.
- Am Mach**—American Machinist. \$4; single numbers 15c. Hill Pub. Co., 505 Pearl St, New York.
- Am Soc M E J**—Journal of the American Society of Mechanical Engineers. \$3; single numbers 35c. American Society of Mechanical Engineers, 29 W. 39th St., N. Y.
- Arch & Bldg**—Architecture and Building. \$2; single numbers 20c. William T. Comstock Co., 23 Warren St, New York.
- Arch Rec**—Architectural Record. \$3; single numbers 35c. Architectural Record Co., 119 W. 40th St, New York.
- Automobile**—Automobile. \$3; single numbers 20c. Class Journal Co., 231 W. 39th St, New York.
- Brickb**—Brickbuilder. \$5. Rogers & Manson, 85 1/2 Water St, Boston.
- Colliery**—Colliery Engineer. \$2; single numbers 25c. International Textbook Co., Scranton, Pa. Formerly Mines and Minerals.
- Concrete Cem**—Concrete-Cement Age. \$1.50; single numbers 15c. Concrete-Cement Age Pub. Co., 97 West Fort St, Detroit, Mich.
- Dom Eng**—Domestic Engineering. \$2; single numbers 10c. Domestic Engineering Co., 445-447 Plymouth Court, Chicago.
- Elec Ry J**—Electric Railway Journal. \$3; single numbers 10c. McGraw Pub. Co., 239 W. 39th St, New York.
- Elec R & W Elec'n**—Electrical Review and Western Electrician. \$3; single numbers 10c. Electrical Review Pub. Co., 608 S Dearborn St, Chicago.
- Elec W**—Electrical World. \$3; single numbers 10c. McGraw Pub. Co., 239 W. 39th St, New York.
- Eng & Min J**—Engineering and Mining Journal. \$5; single numbers 15c. Hill Pub. Co., 505 Pearl St, New York.
- Eng M**—Engineering Magazine. \$3; single numbers 25c. Engineering Magazine Co., 140 Nassau St., New York.
- Eng N**—Engineering News. \$5; single numbers 15c. Hill Pub. Co., 505 Pearl St, New York.
- Eng Rec**—Engineering Record. \$3; single numbers 10c. McGraw Pub. Co., 239 W. 39th St, New York.
- Foundry**—Foundry. \$1; single numbers 15c. The Foundry, Cleveland, O.
- Heat & Ven**—Heating and Ventilating Magazine. \$1; single numbers 10c. Heating & Ventilating Magazine Co., 1123 Broadway, New York.
- Horseless Age**—Horseless Age. \$2. Horseless Age Co., 250 W. 54th St., N. Y.
- Ill U Eng Exp Sta Bul**—Illinois University Engineering Experiment Station. Bulletin. Univ. of Ill., Urbana.
- Ind Eng**—Industrial Engineering and Engineering Digest. \$2; single numbers 20c. Technical Literature Co., 120 W. 32d St., New York.
- Inland Ptr**—Inland Printer. \$3; single numbers 30c. Inland Printer Co., 624 Sherman St, Chicago.
- Int Marine Eng**—International Marine Engineering. \$2. Aldrich Pub. Co., 17 Battery Place, New York.
- Iron Age**—Iron Age. \$5; single numbers 20c. David Williams Co., 239 W. 39th St, New York.
- Iron Tr R**—Iron Trade Review. \$4; single numbers 15c. Penton Pub. Co., Penton Bldg., Cleveland, O.
- J Account**—Journal of Accountancy. \$3; single numbers 30c. Ronald Press Co., Coopers-town, N. Y.
- J Fr Inst**—Journal of the Franklin Institute. \$5; single numbers 50c. Franklin Institute, Philadelphia.
- J Ind & Eng Chem**—Journal of Industrial and Engineering Chemistry. \$6. American Chemical Society, Easton, Pa.
- Locomotive**—Locomotive. 50c; single numbers gratis; recent bound volumes \$1. Hartford Steam Boiler Inspection & Insurance Co., Hartford, Conn.
- Mach**—Machinery. Engineering edition \$2; coated pa. \$2.50. Industrial Press, 140 Lafayette St, New York.
- Met & Chem Eng**—Metallurgical and Chemical Engineering. \$2; single numbers 25c. McGraw Pub. Co., 239 W. 39th St, New York.
- Metal Ind n s**—Metal Industry new series. \$1; single numbers 10c. Metal Industry, 99 John St, New York.
- Mines & Min**—Mines and Minerals. See Colliery.
- Munic Eng**—Municipal Engineering. \$2; single numbers 25c. Engineering Pub. Co., Indianapolis, Ind.
- Power**—Power. \$2; single numbers 5c. Hill Pub. Co., 505 Pearl St, New York.
- Ry Age**—Railway Age Gazette. \$5; single numbers 15c. Simmons-Boardman Pub. Co., Woolworth Bldg, New York.
- Ry Age (Mech ed)**—Railway Age Gazette, mechanical edition including the American Engineer. \$2; single numbers 20c. Simmons-Boardman Pub. Co., Woolworth Bldg, New York.
- Ry & Eng R**—Railway and Engineering Review. \$4; single numbers 15c. Railway Review, 1407 Ellsworth Bldg, Chicago.
Continued as Railway Review.
- Sci Am**—Scientific American. \$3; single numbers 10c. Munn & Co., 361 Broadway, New York.
- Sci Am S**—Scientific American Supplement. \$5; single numbers 10c. Munn & Co., 361 Broadway, New York.
- Stevens Ind**—Stevens Indicator. \$1.50; single numbers 50c. Stevens Institute of Technology, Hoboken, N. J.
- U S Agric Bul**—United States. Dept. of Agriculture. Bulletin. Distributed free of charge. U. S. Dept. of Agriculture, Division of Publications, Washington, D. C.
- U S Bur Chem Bul**—United States. Bureau of Chemistry. Bulletin. Distributed free of charge. U. S. Dept. of Agriculture, Division of Publications, Washington, D. C.
Included, after bulletin 166, in the Bulletins of the United States. Dept. of Agriculture.
- U S Bur Mines Bul**—United States. Bureau of Mines. Bulletin. Distributed free of charge. U. S. Bureau of Mines, Washington, D. C.
- U S Bur Stand Bul**—Bulletin of the United States Bureau of Standards. quarterly, \$1. Superintendent of Documents, Union Bldg, Washington, D. C.
- U S Forest Serv Bul**—United States. Forest Service. Bulletin. Distributed free of charge. U. S. Dept. of Agriculture, Division of Publications, Washington, D. C.
Included, after bulletin 127, in the Bulletins of the United States. Dept. of Agriculture.
- U S Pub Road Bul**—United States. Office of Public Roads. Bulletin. Distributed free of charge. U. S. Dept. of Agriculture, Division of Publications, Washington, D. C.
Included, after bulletin 48, in the Bulletins of the United States. Dept. of Agriculture.

* A few numbers only are indexed

† Periodicals elected but not yet indexed

Industrial Arts Index

A Cumulative Index to Engineering and Trade Periodicals

January—December, 1913

Ability tests

- Are men better typists than women? scientific tests made by J. M. Lahy. J. Boyer. *Il Sci Am* 109:316 O 25 '13
- Mental tests to grade pupils at school. *Sci Am S* 75:87 F 8 '13
- Psychological tests of motormen. *Elec Ry J* 42:66-7 JI 12 '13
- Scientific selection of workmen. *Eng Rec* 67:171 F 15 '13

See also Efficiency, Industrial

Abrasives

- Carborundum and alundum: a comparison with emery. S. A. Cochell. *Metal Ind n s* 11:249-50 Je '13

See also Emery wheels; Grinding and polishing

Absecon Inlet

- Channel- and beach-maintenance problem at Atlantic City. R. R. Raymond. *map Eng N* 70:150-4 JI 24 '13
- Proposed improvement of an ocean bar at Atlantic City, N. J. L. M. Haupt. *Eng N* 70: 523-4 S 11 '13

Absorption of light

- Absorption of light in space. E. S. King. *Il Sci Am S* 75:171 Mr 15 '13

Absorption spectra. *See* Spectra—Absorption spectra

Absorption system. *See* Refrigeration and refrigerating machinery

Absorption towers

- Absorption and reaction towers for chemical factories. *diags Met & Chem Eng* 11:359-61 Je '13

Abu, Mount

- Temples of Dilwara on Mount Abu. T. G. Dalal. *Il Sci Am S* 76:200-1 S 27 '13

Abutments. *See* Bridges—Abutments

Acacias

- Economic study of acacias. C. H. Shinn. *Il U S Agric Bul* 9:1-38 '13

Academic efficiency. W. Kent. *Stevens Ind* 30: 20-36 Ja '13

Accelerometer

- Detecting resistance—saving fuel. W. C. Marshall. *Il Automobile* 28:833-5, 888-90, 937-9, 978-9 Ap 17-My 8 '13
- Tester uses accelerometer on trucks. *Automobile* 29:200-3 JI 31 '13

Accident law. *See* Negligence; Personal injuries; Workmen's compensation

Accident prevention. *See* Safety devices and measures

Accidents

- Few miscellaneous accidents. *Sci Am S* 76: 407 D 27 '13
- Prevention of elevator accidents. R. P. Bolton. *Ind Eng* 13:251-3 Je '13

See also Automobiles—Accidents; Aviation—Accidents; Building failures; Collisions at sea; Derailments; Life saving; Railroads—Accidents; Safety devices and measures; Shipwrecks; Street accidents; Street railroads—Accidents

Accidents, Industrial

- Accident prevention. J. B. Douglas. *Il Sci Am S* 76:232-4 O 11 '13
- Accident prevention at Rochester, N. Y. *Il Am Ind* 13:24-7 Ap '13
- Accident prevention in construction work. *Sci Am S* 75:362-3 Je 7 '13

Accidents, Industrial—*Continued.*

- Accidents in iron and steel mills: comparison for the United States and Germany. *Iron Age* 92:425 Ag 21 '13

Accidents on Catskill aqueduct. *Eng Rec* 67: 320 Mr 22 '13

- Conservation of the worker. A. Cotter. *Il Eng M* 45:489-505 JI '13

Industrial accident costs in Massachusetts. *Eng Rec* 67:338-9 Mr 29 '13

- Lessons of a power plant accident. H. S. Knowlton. *Power* 37:49-50 Ja 14 '13

- Luck, law and industrial accidents discussed. W. H. Doolittle. *Iron Tr R* 52:921-2 Ap 17 '13; Same cond. *Iron Age* 91:945-6 Ap 17 '13

Metal-mining accidents; Catskill aqueduct accidents. *Eng & Min J* 95:1009-10 My 17 '13

- Museums of safety and their activities: a brief history of movement for prevention of industrial accidents. M. S. Hutton. *Mach* 19:31-3 S '12

Ordinary precautions in construction work. *Eng Rec* 67:433-4 Ap 19 '13

- Practical work in industrial advancement. *Am Ind* 13:12-5 JI '13

Prevention of accidents in central stations. *Il Elec W* 61:986-9 My 10 '13

- Prevention of accidents in factories. *Il Sci Am S* 76:212-4 O 4 '13

Prevention of disease versus cost of living. T. F. Harrington. *Sci Am S* 75:402-3 Je 28 '13

- Recording memoranda on accident prevention. T. D. West. *Am Ind* 14:19-20 D '13

Relative vocational hazards. H. Davis. *Colliery* 33:485-6 Ap '13

- Safety engineering should form part of every engineering course. G. Gilmour. *Il Sci Am S* 76:36-9 JI 19 '13

Sanitation and safety in heavy-chemical production. F. D. Patterson. *Il Am Ind* 13:28-31 Mr '13

- Taking chances on a sewer trench. *Il Munio Eng* 44:184-5 Mr '13

Three years of accident prevention: results of Eastman kodak co. *Il Iron Age* 91:1068-61 My 1 '13

See also Boiler explosions; Building accidents; Coal mines and mining—Accidents; Derailments; Electricity, Injuries from; Foundries—Accidents; Mine accidents; Railroads—Accidents; Safety devices; Street railroads—Accidents; Workmen's compensation; also American museum of safety; Bureau of safety

Account analysis

- Account analysis in commercial banks. H. C. Thompson. *J Account* 16:210-29 S '13

Accountants

- Accounting charges. F. G. Colley. *J Account* 15:245-7 Ap '13

See also Accounting

Accountants, Public

- Charlatanism in the profession of accountancy. C. V. Rowe. *J Account* 16:301-5 O '13

Co-operation between bankers and accountants. *J Account* 16:51-3 JI '13

- Federal relations: advancement and regulations of the profession. J. A. Cooper. *J Account* 15:1-9 Ja '13

Mission of the public accountant. F. B. Sears. *J Account* 16:291-300 O '13

Accountants, Public—Continued.

Municipal recognition of the certified public accountant in Cleveland. C. H. Nau. J Account 16:99-109 Ag '13

Opportunity or menace—which? J Account 15: 122-7 F '13

Examinations

New York C. P. A. examinations: discussion. J Account 16:410-4 N '13

New York C. P. A. examinations: editorial. J Account 16:230-2 S '13

New York C. P. A. examinations of January, 1913. J Account 15:377-90; 16: 132-44, 245-52 My, Ag-S '13

Pennsylvania C. P. A. examinations of November, 1912. J Account 15:198-230, 273-301, 370-6 Mr-My '13

Pennsylvania state board of examiners of public accountants. J Account 16:151-8 Ag '13

Law

C. P. A. legislation, Tennessee. J Account 15: 301-4 Ap '13

Certified public accountants in New York. J Account 15:53-6 Ja '13

Delaware, North Carolina, North Dakota, Wisconsin C. P. A. laws. J Account 16:65-77 Jl '13

Nevada and Maine C. P. A. law. J Account 16: 328-32 O '13

Oregon C. P. A. law. J Account 15:468-70 Ja '13

Spread and effect of accountancy legislation. J Account 15:444-8 Je '13

Tennessee C. P. A. F. W. Pike. J Account 15:307-8 Ap '13

Vermont C. P. A. law. J Account 16:408-9 N '13

Accounting

Accounting methods. Elec W 61:1235-8 Je 7 '13

Accounting of interest and discount on notes. J: Bauer. J Account 15:248-58 Ap '13

Accounting system for a municipal hospital. D. C. Eggleston. J Account 16:366-70 N '13

Accounting system for electric companies. L. W. Allison. Power 38:697-700 N 11 '13

Accounting system for small lighting companies. Elec W 62:380-1 Ag 23 '13

Apportionment of profits of building and loan associations. G: G. Scott. J Account 16: 350-7 N '13

Assessments on stock of corporations organized under the laws of California. J Account 15:117-21 F '13

Cotton mill accounts. J. Hunter. J Account 16: 110-9 Ag '13

Department of practical accounting conducted by J: R. Wildman. See monthly numbers of the Journal of accountancy

Depreciation reserves vs. depreciation funds. E. A. Sallers. J Account 16:358-65 N '13

Determination of the income rate of investment. B. D. Kribben. J Account 15:336-40 My '13

Development of systems of control. F. R. C. Steele. J Account 16:280-90 O '13

Distribution of accounts of road construction. Munic Eng 44:524-7 Je '13

Ford service system. Automobile 28:470-3 F '13

Investigating an industry: accounting and sales departments. W: Kent. Ind Eng 13: 208-11 My '13

Language of accounting. C: M. VanCleve. J Account 16:424-31 D '13

Lumber company accounting. J: A. McDonald. J Account 15:433-43 Je '13

Measuring efficiency on a profit basis. E: B. Passano. Iron Tr R 52:682-4 Mr 20 '13

Practical principles of rational management. A. H. Church. Eng M 45:166-73 My '13

Some essentials of public service accounting. A. F. Elkins. Elec Ry J 42:1276 D 20 '13

Supply jobbers' convention considers accounting. Elec W 62:1037-8 N 22 '13

Trade union accounting. A. E. Carpenter. J Account 16:440-2 D '13

Uniform accounting systems. E. F. Gay. J Account 16:268-79 O '13

See also Account analysis; Accountants; Card system in business; Cost accounting; Depreciation; Engineering—Accounting; Foundry accounting; Inventories; Mine accounting; Municipal accounting; Railroads—Accounting

Laws and legislation

See Accountants, Public—Law

Study and teaching

See Accountants, Public—Examinations

Accounting, Municipal. See Municipal accounting

Accumulators. See Storage batteries

Accumulators, Steam. See Steam accumulators

Acetylene

Ability of the acetylene flame. E. M. Chance. Colliery 34:239-41 N '13

Acetylene lamps in coal mines. Colliery 34: 49-51 Ag '13

Acetylene lighting system defended. R. H. Coombs. Automobile 29:514-5 S 18 '13

See also Oxyacetylene flame

Acetylene-electric flame. C. F. Lorenz. Il Elec W 61:511-5 Mr 8 '13

Acetylene for lighthouses, buoys, etc.

Marine lighting equipment of the Panama canal. J. Pattison. diags Eng N 69:1057-9 My 22 '13

Acid-proofing the floors of battery rooms. plan Met & Chem Eng 11:56 Ja '13

Acid waste

Disposal of acid waste in schools. J. Graham. diags Dom Eng 63:212-4 My 24 '13

Acidimetry

Benzolic acid as an acidimetric standard. G: W. Morey. U S Bur Stand Bul 8:643-50 Mr 1 '13

Acids

Manufacture of chemically pure acids; problems encountered. J. T. Baker. Il Sci Am S 75:94-6 F 8 '13

See also Acidimetry; also names of acids, as Amic acids; Hydrochloric acid; Nitric acid; Sulphuric acid

Acorns

Acorns and their uses. Il Sci Am 108:248 Mr 15 '13

Acoustics, Architectural

Air currents and their relation to the acoustical properties of auditoriums. F. R. Watson. Eng Rec 67:265-8 Mr 8 '13

See also Architecture

Adding machines. See Calculating machines

Adding typewriters

Frame work on an adding typewriter. R. Mawson. Il Am Mach 38:847-50 My 22 '13

Adobe bricks

Strength of adobe brick. Eng & Min J 96:1074 D 6 '13

Advertising

Advertising for the printer. C: W. Hoyt. Inland Ptr 50:525-7 Ja '13

Advertising in printing trade. M. Gross. Inland Ptr 50:524-5 Ja '13

Advertising printing—a profitable field. E. R. Roeder. Inland Ptr 52: 381-2 D '13

Cost of advertising in country daily and weekly newspapers. E. K. Whiting. Inland Ptr 51:718-20 Ag '13

Higher advertising rates for country papers. Inland Ptr 51:557-9 Jl '13

How shall we make advertising effective? J: K. Allen. Dom Eng 64:341-2 S 20 '13

It pays to advertise. A. G. Brenton. Inland Ptr 50:843-5 Mr '13

Newspaper work. O. F. Byxbee. See monthly numbers of the Inland printer

Printers' advertising. W. H. Wright. Inland Ptr 51:838-40 S '13

Publicity for plumbers. Dom Eng 62:311-2 Mr 15 '13

Reaching the public through printing. W: T. O'Donnell. Inland Ptr 51:406-8 Je '13

Securing business by a house organ. C: W. Hoyt. Inland Ptr 51:682-4 Ag '13

Advertising—Continued.

Sliding scale of advertising costs. J. C. Morrison. Inland Ptr 52:433-6 D '13
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See also Arsenal

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Automobile batteries. See Automobiles—Electric equipment; Storage batteries**Automobile brakes. See Brakes, Automobile****Automobile chamber of commerce**

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Automobile engineers, Society of. See Society of automobile engineers**Automobile engines**

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Automobile engines—Continued.

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See also Carbureters; Crank cases; Crank-pins; Fuel; Gas and oil engines; Valves and valve gearing

Fuel

Automobile run on liquified natural gas. *Il Automobile* 28:1175 Je 5 '13
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 Solving the fuel problem for the motor truck. H. W. Slauson. *Il diags Mach* 20:121-4 O '13; Same. *Sci Am S* 76:292-4 N 8 '13
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 Testing flow of fuel thru nozzles. R. M. Anderson. *Automobile* 28:1268 Je 19 '13
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See also Gas and oil engines—Fuel; Gasoline; Kerosene; Motor spirit; Vaporizers

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 Magneto field well stocked. *Il Automobile* 28:374-81 Ja 30 '13
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 New spark plugs. *Il Automobile* 28:360-3 Ja 30 '13
 Possible causes of premature ignition. *Automobile* 28:805 Ap 10 '13
 Splitdorf ignition on Ohio 1911. *plan Automobile* 28:1072 My 22 '13
See also Gas and oil engines—Ignition; Magnetos

Manufacture

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Testing

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 Motor testing plants. J. E. Schipper. *Il plan Automobile* 28:640-3 Mr 13 '13
 Sleeve vs. poppet in test. C. Y. Knight. *diags Automobile* 29:119-21 Jl 17 '13
 Testing room for automobile engines. H. C. Spillman. *Il Iron Age* 91:1047-8 My 1 '13
 Automobile fuel. *See* Automobile engines—Fuel
 Automobile horns. *See* Automobile signals

Automobile industry

Alco discontinues automobile and truck department. *Automobile* 29:366-7 Ag 28 '13
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 England and America lead in Australian trade. S. Oxberry. *Automobile* 29:589-91 O 2 '13
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 Great Britain is largest buyer. *Automobile* 29:899-901 N 13 '13
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Automobile industry—Continued.

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Plant of Packard motor car co., Detroit. A. R. Maujer. *Il* Power 37:140-5 F 4 '13

Proper selling of electric cars. L. E. Burr. Automobile 29:111 J1 17 '13

Proposed tariff on automobiles unchanged. Automobile 29:625 O 2 '13

S. A. E. and I. A. E. off on lake trip. pors Automobile 28:1150-5, 1180-1 Je 5 '13

Sales department influences car design. F. E. Moscovics. Automobile 28:1256-8 Je 19 '13

Salesmen's system used by Pierce-Arrow distributing agent. Automobile 28:684-6 Mr 20 '13

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Trade opportunities for American cars. Automobile 28:1283 Je 19 '13

200,000 cars per year. Automobile 28:567 F 27 '13

United States has 1,157,646 cars. map Automobile 29:179-81 J1 31 '13

Wilson-Underwood schedule proposes reduction of duty on chassis and parts. Automobile 28:798-9 Ap 10 '13

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See also Motor truck industry

Automobile inspection. *See* Automobile service stations; Automobiles—Inspection

Automobile insurance. *See* Insurance, Automobile

Automobile lamps. *See* Automobiles—Lighting

Automobile laws and regulations

Automobile speed limits. Eng Rec 67:30 Ja 11 '13

Bay state has six new automobile laws. Automobile 29:533 S 18 '13

Bay state hopes to defeat truck bills. Automobile 28:922-3 My 1 '13

Dealers organize to meet proposed New York legal measures. C. T. Terry. Automobile 28:581 Mr 6 '13

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New York bills menace motorists. Automobile 28:580-1 Mr 6 '13

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Operators' licenses are revokable in Bay state. J. T. Sullivan. Automobile 28:1202-3 Je 12 '13

Pennsylvania automobilists endeavor to stop bad legislation. Automobile 28:824 Ap 10 '13

Recent decisions of the law courts. G. F. Kaiser. Automobile 29:1145 D 18 '13

Texas, Illinois, Idaho and other legislation. Automobile 28:611 Mr 6 '13

Automobile patents

European patents. plans Automobile 28:306-9 Ja 23 '13

Lapsing of French patents. Automobile 28:162 Ja 9 '13

Automobile racing

Banked turn for French road race. Automobile 28:762-3 Ap 3 '13

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Bulcks win 500-mile reliability run. J. E. Schipper. Automobile 29:1092-5 D 11 '13

De Palma winner of C. A. C. trophy. *Il* Automobile 29:410-3 S 4 '13

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Goux, Peugeot, wins \$50,000 race at Indianapolis. *Il* Automobile 28:1141-9 Je 5 '13

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Humanities of a world's record at Amlens, France. W. F. Bradley. *Il* Automobile 29:137-9 J1 24 '13

Makers want stock car contests. Automobile 28:963-5 My 8 '13

National grand winner in Catskill run. *Il* Automobile 28:1056-7 My 22 '13

Nazzaro's skilled driving and reliable car are winning factors in the Targa Florio race. *Il* Automobile 28:1112-3 My 29 '13

Preparing for Grand prix. plan Automobile 28:607 Mr 6 '13

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Stock cars are not fit for racing purposes. F. R. Porter. Automobile 28:1123 My 29 '13

Stutz wins Elgin classic. *Il* Automobile 29:405-9, 412-3 S 4 '13

Third annual international sweepstakes race staged at the Indianapolis speedway. *Il* Automobile 28:1093-9 My 29 '13

See also Speedways

Automobile resistance

Detecting resistance—saving fuel. W. C. Marshall. *Il* Automobile 28:833-5, 888-90, 937-9, 978-9 Ap 17-My 8 '13

Automobile service factories

Maxwell uses one factory for spare parts for 244 models. *Il* Automobile 29:1098-1100 D 11 '13

Automobile service stations

Detroit service stations handle 170 electrics a night. plan Automobile 29:862-4 N 6 '13

Ford service system. Automobile 28:470-3 F 13 '13

Inspection report blanks. Automobile 28:986-7 My 8 '13

Keeping the automobile in service. A. Fowler. Am Mach 38:818 My 15 '13

Laying out the service building. Automobile 29:332-3 Ag 21 '13

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Service for electrics. Automobile 28:898-9 Ap 24 '13

Service plants for Boston owners. *Il* Automobile 28:577-9 Mr 6 '13

Service system of New York Cole dealers. Automobile 28:1210-3 Je 12 '13

Sidewalk gasoline pumps draw transient trade. Automobile 29:650-4 O 9 '13

Simplified stock system. Automobile 29:26-7 J1 3 '13

Special shops for Goodyear service. *Il* Automobile 29:188 J1 31 '13

Stearns co., N. Y.—model service and inspection. Automobile 28:852-5 Ap 17 '13

Automobile signals

Methods employed in making the long horn. R. Mawson. *Il* Am Mach 38:733-7 My 1 '13

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Automobile touring

Climbing Pike's peak by automobile. O. W. Hall. Automobile 29:1115 D 11 '13

French president sets touring example. W. F. Bradley. *Il* Automobile 29:620-3 O 2 '13

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Indiana-Pacific touring party. *Il* Automobile 29:43-5, 102-3, 144-5, 211-2 J1 10-31 '13

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Automobile trailers

Delivery trailer for passenger cars. *Il* Automobile 28:1273 Je 19 '13

Automobiles

- Abbott six-cylinder added for 1914. *Il* *diags* Automobile 29:338-40 Ag 21 '13
- Analysis of the 1913 car. Automobile 28:67-73 Ja 9 '13
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- Carnation model; small car. *Il* Automobile 29:35 Ji 3 '13
- Cars of 1913. *Il* Automobile 28:79-99 Ja 9 '13
- Case four-cylinders for 1914. *Il* Automobile 29:438-9 S 4 '13
- Chalmers six for 1914. *Il* Automobile 29:434-7 S 4 '13
- Chandler six of light construction. *Il* Automobile 28:994 My 8 '13
- Climbing Pike's Peak by automobile; effect on motor and tires. O. W. Hall. Automobile 29:1115 D 11 '13
- Coal engine for automobiles run by coal gas. V. Hart. *plan Eng M* 44:413-5 D '12
- Cole 1914 models. *Il* Automobile 29:172-3 Ji 24 '13
- Deltal, Isotta and Erwin special are novel racers. *Il* Automobile 29:414-5 S 4 '13
- DeSoto car embodies light six motor. *Il* Automobile 29:1056-7 D 4 '13
- Detroit adds model B with sloping hood and rounded radiator. *diags* Automobile 29:1214-5 D 25 '13
- Dr. Riedler's science popularized. Automobile 28:891-2 Ap 24 '13
- Electric vehicles for 1913. *Il* Automobile 28:10-23 Ja 2 '13
- Empire 1914 car a refined and enlarged edition of 1913. *Il* Automobile 29:1058-9 D 4 '13
- European models. Automobile 29:4-5 Ji 3 '13
- Experiments on shock absorption of power vehicles. E. Bobeth. *Am Soc M E J* 35:1437-9 S '13
- Franklin for 1914 has six-cylinder chassis. *diags* Automobile 29:700-1 O 16 '13
- French car construction as seen at Paris show. W. F. Bradley. *Il* Automobile 29:849-50 N 6 '13
- German 10-horsepower cars. Automobile 28:1120-1 My 29 '13
- Grant miniature automobile. *Il* Automobile 28:1320-1 Je 26 '13
- Havers 6-60 has larger motor for 1914. *Il* Automobile 29:523-3 S 18 '13
- Haynes adopts electric gearshift; two six-cylinder models and one four. *Il* Automobile 29:820-2 O 30 '13
- Hazard adds two four-cylinder types. *Il* Automobile 29:1210-1 D 25 '13
- Henderson has new six. *Il* Automobile 29:608-9 O 2 '13
- Herreshoffs use three-unit electric system. *Il* Automobile 29:198-9 Ji 31 '13
- Howard six has double exhaust line. *Il* Automobile 28:1132-3 My 29 '13
- Hudson small six. *Il* Automobile 29:878-9 N 6 '13
- Hudson to make sixes exclusively. *Il* Automobile 29:254-7 Ag 7 '13
- Hupmobile adopts electric system. *Il* Automobile 29:572-5 S 25 '13
- Ignition, motors and gearsets discussed by S. A. E. members. Automobile 28:292-3 Ja 23 '13
- Imperials in four chassis. *plans* Automobile 29:1162-4 D 18 '13
- Jackson reduces prices for 1914. *Il* *plan* Automobile 29:1070-2 D 4 '13
- King for 1914 has increased horsepower. *Il* Automobile 29:528-9 S 18 '13
- Krit motor cars have new bodies. *Il* Automobile 29:912-3 N 13 '13
- Leading French makes described. *Il* *diags* Automobile 29:853-9 N 6 '13
- Locomotive concentrates on four sixes. *Il* *plans* Automobile 29:964-7 N 20 '13
- Lozier four with block motor at \$2,100. *Il* Automobile 29:1012-4 N 27 '13
- Lozier light six; type 77 has unit power plant of 36 horsepower. *Il* Automobile 28:772-3 Ap 3 '13
- Lyons car has Knight motor and worm drive. *Il* Automobile 29:108-9 Ji 17 '13
- McFarlan concentrates on six for 1914. *Il* Automobile 29:916-7 N 13 '13
- Marion brings out a six. *Il* *diag* Automobile 29:392-3 Ag 28 '13
- Marmon adds three-passenger roadster. *Il* Automobile 29:604-7 O 2 '13
- Marmon small six with L-head cylinders cast in threes and gear-box located amidships. *Il* *diags* Automobile 29:1190-2 D 25 '13
- Maxim tricar adapted for both business and pleasure. *Il* Automobile 28:615 Mr 6 '13
- Maxwell 25 is out. *Il* Automobile 28:864-5 Ap 17 '13
- Mercer five-passenger touring car and a touring runabout. *Il* Automobile 29:1052-5 D 4 '13
- Metropol; 90-horsepower car for \$1,350. *Il* Automobile 29:824-5 O 30 '13
- Mitchell has three models for 1914. *Il* *plan* Automobile 29:1116-9 D 11 '13
- Modern car and the noise problem. L. Kingsley. *Il* *Sci Am S* 76:340-1 N 29 '13
- Moline has Knight motor. *Il* *plans* Automobile 29:960-3 N 20 '13
- Monarch has left steer and center control; long stroke and syphon cooling. *Il* Automobile 28:1218 Je 12 '13
- Multiplex—a new car with racy lines. *Il* Automobile 28:995 My 8 '13
- National six cylinder car. *Il* Automobile 29:1168-9 D 18 '13
- New features in design at Olympia. *Il* *plans* Automobile 29:953-5, 977-81 N 20 '13
- Oakland has two fours and a six. *diags* Automobile 29:872-4 N 6 '13
- Packard 38 for 1914. *Il* Automobile 29:482-5 S 11 '13
- Packard's new "48". *Il* Automobile 28:652-4 Mr 13 '13
- Paige Detroit models 25 and 36 continued for 1914. *Il* Automobile 29:656-9 O 9 '13
- Partnership use of a motor car. P. H. McKilwin. *Sci Am* 108:54 Ja 11 '13
- Paterson has one chassis and two body types for 1914. *Il* Automobile 29:1212-3 D 25 '13
- Pathfinder has V-radiator, streamline body, dry plate clutch and four-speed gearset. *Il* Automobile 29:914-5 N 13 '13
- Peerless continues the three sixes. *Il* Automobile 28:992-3 My 8 '13
- Pullman out with light six-cylinder. *Il* Automobile 29:525-7 S 18 '13
- Rambler supplanted by Jeffery. *Il* *diags* Automobile 29:694-7 O 16 '13
- S. & M. embodies foreign features. *Il* Automobile 29:610-2 O 2 '13
- Saxon light car launched by Chalmers men. Automobile 29:1074 D 4 '13
- Speedwell six continued. *Il* Automobile 29:1018-9 N 27 '13
- Standards committee of the Soc. A. E. report. Automobile 28:252-3 Ja 16 '13
- Stearns adopts left drive and center control. *Il* Automobile 29:196-7 Ji 31 '13
- Studebaker four and six for 1914. *Il* Automobile 29:908-11 N 13 '13
- Stutz car has four and six on one chassis. *Il* Automobile 29:516-8 S 18 '13
- Traffic by land. J. E. Kuhn. *Sci Am S* 76:139 Ag 30 '13
- Trend in automobile construction; the views of automobile engineers and designers. *Sci Am* 108:46 Ja 11 '13; *Sci Am S* 75:32 Ja 11 '13
- Tribune car to have left drive. *plan* Automobile 28:696-7 Mr 20 '13
- Vaughan, a car of distinction. *Il* Automobile 29:956-9 N 20 '13
- Velle adds six-cylinder cars. *Il* Automobile 29:921-3 N 13 '13
- Vulcan models; touring car and speedster. *diags* Automobile 29:344-5 Ag 21 '13

Automobiles—Continued.

Winton 1914 motor has longer stroke. *diags*
Automobile 29:702-4 O 16 '13

See also Automobile engines and other headings beginning with Automobile; Cycle-cars; Electric trucks; Electric vehicles; Garages; Motor cycles; Motor trucks; Springs (mechanism); Tires; Wheels

Accidents

See Automobile accidents

Axles

See also Axles; Automobiles—Gearing; Automobiles—Wheels

Bearings

Retainers improved in special bearings. Automobile 28:442-3 F 6 '13

Bodies

Cabriolet—new body type. G: J. Mercer. *diags*
Automobile 29:556-8 S 25 '13

Design for runabout body with doors. *diags*
Automobile 28:850-1 Ap 17 '13

Design for streamline runabout body. G: J. Mercer. *diags* Automobile 28:1028-9 My 15 '13

Folding tops for limousine-landaulets. *diags*
Automobile 28:726-7 Mr 27 '13

Freak French automobile bodies. *il Sci Am* 108:264 Mr 22 '13

Future car; how car bodies have developed at home and abroad. W. Baunard. *il Sci Am* 108:28-30 Ja 11 '13

Limousine and landaulet types combined. *il*
Automobile 28:682-3, Mr 20 '13

Limousine body designed for the Ford. G: J. Mercer. *diags* Automobile 29:114-5 Jl 17 '13

Motor coach: Springfield convertible body uses only two top bows. *il* Automobile 29:928-30 N 13 '13

New type of streamline limousine. J. F. Brador. Automobile 29:1022-3 N 27 '13

1914 Peerless closed cars. *il diags* Automobile 29:320-1 Ag 21 '13

One-piece material for tops. Automobile 29:931 N 13 '13

Queer automobile bodies: French designs. *il Sci Am* 108:204 Mr 1 '13

Runabout body design for Paige-Detroit. G: J. Mercer. *diags* Automobile 28:1170-1 Je 5 '13

Runabout body for pathfinder chassis. *diags*
Automobile 28:896-7 Ap 24 '13

Schoop's metallizing method for motor vehicle bodies. Automobile 28:462 F 13 '13

Semi-collapsible body for Ford cars. G: J. Mercer. *diags* Automobile 29:374-5 Ag 28 '13

Stearns—Knight has European features. *il*
Automobile 29:932-3 N 13 '13

Streamline bodies at Olympia. *il* Automobile 29:997-1002 N 27 '13

Turcat-Mery torpedo has unusual baggage facilities. *il* Automobile 28:604 Mr 6 '13

Chassis

Four American chassis models for 1914. *il*
Automobile 29:566-8 S 25 '13

Moon adds light six. *il* Automobile 29:1010-11 N 27 '13

Overland chassis for 1914. *diags* Automobile 29:290-3 Ag 14 '13

Passenger car chassis listed for 1913; horsepower and mechanical details. Automobile 28:136-47 Ja 9 '13

Pierce-Arrow adds 2-ton truck chassis. *il*
Automobile 29:570-1 S 25 '13

Regal models both under and overslung. *il*
Automobile 29:660-2 O 9 '13

Clutches

Design of clutch release shoes. J: S. Myers. Mach 19:723-4 My '13

Design of clutch release shoes. M. Terry. plans Mach 19:332-4 Ja '13

See also Automobiles—Gearing

Color

Choosing a color scheme. Automobile 28:1070 My 22 '13

Quiet colors in fashion. Automobile 29:249 Ag 7 '13

Differential

Eccentric or differential gears. H. B. Heign. *diags* Mach 19:785-7 Je '13

Gearless automobile differential. R. Babcock. *il Sci Am* 108:380 Ap 26 '13

Gearless differential. *diags* Automobile 28:1322 Je 26 '13

M. & S. differential displaces bevel gears. *il*
Automobile 29:537 S 18 '13

New type of spiral gear differential. *il Sci Am* 109:268 O 4 '13

Some differential ideas. J. Munden. *il* Automobile 29:970-1 N 20 '13

Electric equipment

A. C. A. tests Bijur-Packard generator. *il*
Automobile 29:1049 D 4 '13

Advantages of clutch-type generator and separate starting and lighting units for motor cars. A. Churchward. *Am Inst E E Pro* 32:1988-93 N '13

Automobile electric system and that of a railroad car. R. M. Newbold. Automobile 29:1120-1 D 11 '13

Battery life depends on correct design of system. A. S. Cole. *il* Automobile 29:597 O 2 '13

Disco equipment a double deck design. *il*
Automobile 29:1026-7 N 27 '13

Electric apparatus consumes 5 to 12 per cent of total fuel. Automobile 29:207-9 Jl 31 '13

Electric heater for automobile radiators. *il*
Elec W 62:442-3 Ag 30 '13

Electric lighting worth the money. Automobile 29:1170-1 D 18 '13

Electric starting, lighting and ignition systems for automobiles. *il* Elec W 61:159 Ja 18 '13

Electric systems at Paris show. *il* Automobile 29:851-2 N 6 '13

Electrical equipment of gasoline automobiles. Elec W 62:1041-2 N 22 '13

Electrical equipment of gasoline automobiles. F. Conrad. *il* Am Inst E E Pro 32:1996-2005 N '13

Electrically controlled two-speed rear axle design for motor cars. *il Sci Am* 109: 95 Ag 2 '13

Engineers disagree on starter units. Automobile 29:190-2, 234-5, 282-3, 328-30, 383-5, 422-3, 462-3, 554-5 Jl 31-S 11, 25 '13

Fisher 8-ampere generator. *il* Automobile 28:999 My 8 '13

French generators for lighting of cars with novel means for equalizing voltage. *diags*
Automobile 29:668-70 O 9 '13

Fuel consumption by electric generator. Automobile 29:1218-9 D 25 '13

Gray & Davis use planetary reduction: starting motors in three sizes. *il* Automobile 29:1110-1 D 11 '13

Installing secret control switch. plan Automobile 28:1075 My 22 '13

Norwalk car has electric shift. *il* Automobile 29:80-1 Jl 10 '13

Resuscitating a dead storage battery. Automobile 28:949 My 1 '13

Shifting gears by electricity. *il Sci Am* 109:140 Ag 23 '13

Types of storage batteries and their care. Automobile 28:758-9 Ap 3 '13

Voltage at the spark gap. *diag* Automobile 28:1177-8 Je 5 '13

Ward Leonard motor generator arranged in tandem. *il* Automobile 29:1157 D 18 '13

Wiring of an automatic cut-out. *diags* Automobile 29:827-9 O 30 '13

See also Automobile engines—ignition devices; Automobiles—Gearing; Automobiles—Lighting; Automobiles—Starting devices; Magnetos

Equipment and supplies

Alternating a stethoscope to locate motor knocks. W: R. Inghram. *Sci Am* 108:339 Ap 12 '13

Changing vacuum oil feed. plan Automobile 28:601-2 Mr 6 '13

Clever devices that help motorists. *il Sci Am* 108:39 Ja 11 '13

Ingenious overheating tell-tale. *Sci Am* 108:48 Ja 11 '13

Automobiles—Equipment and supplies—Cont.

- Many fittings for cars and for drivers. *Il* Automobile 28:656-7, 698-9 Mr 13-20 '13
 Plant for making automobile tool boxes; Globe machine & stamping co., Cleveland, O. *Il* Iron Age 91:643-6 Mr 13 '13
 Pneumatic suspension for varying load. *Il* Automobile 28:694 Mr 20 '13
 Preventing vibration. plan Automobile 28:509 F 20 '13
 Shimpf starting motor and compressor. *Il* diags Automobile 28:1134-5 My 29 '13
 Shock absorbers show improved details. *Il* Automobile 28:371-3 Ja 30 '13
 Tire carriers for 1913. *Il* Automobile 28: 591-3 Mr 6 '13
 Windshields. *Il* Automobile 28:364-5 Ja 30 '13
 Worm gear, brakes, springs, magnetos, and new axles. *Il* Automobile 29:808-13 O 30 '13
See also Accelerometer; Automobile engines; Automobiles—Electric equipment; Automobiles—Pedals; Automobiles—Radiators; Brakes, Automobile; Carbureters; Magnetos; Mufflers; Shock absorbers; Spark plugs; Speedometers; Vaporizers

Exhibitions

- Automobile America at the shows in Madison Square Garden and Grand Central Palace. *Il* Automobile 28:218-29 Ja 16 '13
 Belgium's national show. *Il* Automobile 28: 388-9 Ja 30 '13
 Boston show, March, 1913. J. E. Schipper. *Il* Automobile 28:621-4 Mr 13 '13
 Chicago the automobile Mecca: 13th annual automobile show, 1913. *Il* Automobile 28: 399-403, 436 F 6 '13
 Complete list of exhibitors at Boston show. Automobile 28:582 Mr 6 '13
 Features of the 13th national automobile show, 1913. Am Mach 38:167 Ja 23 '13
 14th Paris salon, Oct., 1913. W. F. Bradley. *Il* Automobile 29:786-9, 803-7 O 23-30 '13
 International automobile show at St. Petersburg. *Il* Automobile 28:1247 Je 19 '13
 Manager of Abbott motor co. does not believe in New York and Chicago shows. M. J. Hammers. Automobile 28:517 F 20 '13
 New York automobile shows. Sci Am 108:86 Ja 25 '13
 Olympia exhibition, 1913. J. S. Critchley. *Il* Automobile 29:902-5, 949-55, 977-81 N 13-20 '13
 Philadelphia show a success. Automobile 28: 390 Ja 30 '13
 Prominent automobiles exhibited at Olympia. *Il* diags Automobile 29:1002-7 N 27 '13
 Revelations of the Boston automobile show. Sci Am 108:266 Mr 22 '13
 Streamline bodies at Olympia. *Il* Automobile 29:997-1002 N 27 '13
 13th annual exhibition of imported cars, N. Y., 1913. *Il* Automobile 28:172-3 Ja 9 '13
 13th French automobile show, 1912. Automobile 28:55 Ja 2 '13

Fuel***See* Automobile engines—Fuel****Gearing**

- Adjustment of silent chains for valve ignition. diags Automobile 29:248 Ag 7 '13
 Automobile bevel drive gears; forging, machining, heat-treating, inspecting and assembling. D. T. Hamilton. *Il* Mach 19:417-22 F '13
 Automobile rear axle design. K. W. Najder. diags Mach 20:36-8 S '13
 Continuous gear change. diag Automobile 28:981-2 My 8 '13
 Criticism of American drive-shaft construction. Automobile 28:718-9 Mr 27 '13
 Detroit S. A. E. discusses electric shift. Automobile 29:935 N 13 '13
 Duplication of gears having long and short addenda. E. W. Baxter. Mach 19:775-7 Je '13
 Floating types dominate axle field. diags Automobile 28:438-41 F 6 '13
 Gear changing and the clutch brake. E. P. Batzell. diags Automobile 28:722-5 Mr 27 '13

- Gearbox location—which? Automobile 28: 940-1, 983-5, 1025-7, 1063, 1123, 1207-8 My 8-29, Je 12 '13
 Gearsets show conservative design. diags Automobile 28:780-2 Ap 3 '13
 Gray gearshift includes starter. *Il* Automobile 29:1075 D 4 '13
 Incorrect meshing causes growl. diag Automobile 28:1131 My 29 '13
 Investigation of efficiency of worm gearing for automobile transmission: discussion of paper by W. H. Kenerson. Am Soc M E J 35:676-80 Ap '13
 Mondex—magic gearset. diags Automobile 28:783 Ap 3 '13
 New noiseless gear for motor cars. *Il* Sci Am 109:149 Ag 23 '13
 Norwalk car has electric shift. *Il* Automobile 29:80-1 Jl 10 '13
 Pneumatic or electric gearshift? S. R. Hunter. Automobile 29:865 N 6 '13
 Quicker action makes gearchanging with the electric shift simpler than with the lever. Automobile 29:924 N 13 '13
 Rear axle gearbox. S. E. Waldon. *Il* Automobile 28:860-1 Ap 17 '13
 Ross gearset does away with clashing. diags Automobile 29:1217 D 25 '13
 Shifting gears by electricity. *Il* Sci Am 109: 140 Ag 23 '13
 Silent chains in motor construction. Automobile 28:350-1 Ja 30 '13
 Society of automobile engineers on worm drive. Automobile 28:825 Ap 10 '13
 Special machine for hobbing automobile gears. *Il* Iron Age 91:251 Ja 23 '13
 Status of the worm-gear drive. Automobile 28:719 Mr 27 '13
 Variable speed hydraulic transmission for motor trucks. *Il* Sci Am 109:208 S 13 '13
 Vulcan electric gearshift. diags Automobile 28:778 Ap 3 '13
 Why Packard uses three-speed gearset. S. D. Waldon. Automobile 29:1008-9 N 27 '13
 Worm gearing for automobile transmission: records of a number of tests. *Il* diags Mach 19:46-9 S '12

See also* Automobiles—Differential; Automobiles—Steering gear*Ignition*****See* Automobile engines—Ignition devices; Automobiles—Electric equipment****Inspection**

- How materials for automobiles are inspected: system employed by Packard motor car co. E. F. Roberts. diag Automobile 28:1306-8 Je 26 '13; Same cond. Iron Tr R 53:209-12 Jl 31 '13; Same cond. Ind Eng 13:418-21 O '13; Same cond. Iron Age 92:158-60 Jl 17 '13

Insurance***See* Insurance, Automobile****Lighting**

- Acetylene lighting system defended. R. H. Coombs. Automobile 29:514-5 S 18 '13
 Acetylene tank makers protest against undue emphasis placed on electric light systems for automobiles. Automobile 28:997 My 8 '13
 Better regulation of values in automobile lamps. diag Automobile 29:116-7 Jl 17 '13
 Complications of electric lighting. Automobile 29:1200 D 25 '13
 Double-reflector searchlight for automobiles. F. C. Perkins. *Il* Sci Am 109:55 Jl 19 '13
 Dynamo electric lighting for motor cars. A. E. Waller. Am Inst E E Pro 32:1972-85 N '13; Same. Sci Am S 76:394-5 D 20 '13
 Electric cranking and lighting. *Il* Automobile 28:242-7, 310-5, 339-45, 416-21 Ja 16-F 6 '13
 Electric lighting of the gasoline car. *Il* diags Automobile 28:422-5 F 6 '13
 Electric-lighting system for automobiles. *Il* Elec W 61:159-60 Ja 13 '13
 Electric lighting worth the money. Automobile 29:334-5, 1170-1 Ag 21, D 18 '13
 Gray and Davis lighting system explained. diags Automobile 29:30-1 Jl 3 '13

Automobiles—Lighting—Continued.

Making two automobile lamps do the work of four. *Sci Am* 109:382 N 15 '13
 Protests against the Prest-O-Lite tests. *Automobile* 29:416-7 S 4 '13

See also Automobiles—Electric equipment
Manufacture

Automobile and machine tools. *Am Mach* 38:161 Ja 23 '13
 Automobile manufacturing methods. D. T. Hamilton. *Il diags Mach* 19:870-5 J1 '13
 Automobile side frame press. *Il Iron Age* 91:1166-7 My 15 '13

Broaching automobile parts. C. L. Lucas. *Il diags Mach* 19:787-8 Je '13

Building an automobile every 40 seconds. F. H. Colvin. *Il Am Mach* 38:757-62 My 8 '13

Drawing and forming an automobile clutch cone. D. T. Hamilton. *Il Mach* 20:182-3 N '13

Drilling and milling in the shops of the Winton motor car co., Cleveland. F. H. Colvin. *Il Am Mach* 38:138-40 Ja 23 '13

European electric steel automobile castings. E. F. Lake. *Il Iron Age* 91:768-70 Mr 27 '13

Forging and machining automobile front axles. *Il Mach* 20:287-9 D '13

Foundry specializing in motor car castings: aluminum and brass shop of the Willys-Overland co. *Il plan Foundry* 41:537-42 D '13

Gray iron mixtures for motor castings. H. B. Swan. *Il Foundry* 41:474-8 N '13; Same. *Iron Age* 92:893-7 O 23 '13; Same. *Iron Tr R* 53:963-8 N 27 '13

Heat-treated automobile frame steel. D. K. Bullens. *Il Iron Age* 92:171-4 J1 24 '13

How materials for automobiles are inspected: system employed by Packard motor car co.

E. F. Roberts. *diag Automobile* 28:1306-8 Je 26 '13; Same cond. *Iron Tr R* 53:209-12 J1 31 '13; Same cond. *Ind Eng* 13:418-21 O '13; Same cond. *Iron Age* 92:158-60 J1 17 '13

Iron and steel committee of Society of automobile engineers furnish test figures. *Il Automobile* 28:1220-1 Je 12 '13

Keys and keyways for automobile. *Il Automobile* 29:424-6, 467-9 S 4-11 '13

Laboratories of the modern factory: apparatus and investigations of the Studebaker corporation. Detroit. E. F. Lake. *Il Iron Age* 92:387-91 Ag 21 '13

Malleable iron castings for automobile work. E. Touceda. *Il Iron Age* 91:1426-9 Je 12 '13; Same. *Iron Tr R* 52:1358-63 Je 12 '13; Same. *Automobile* 28:1260-3 Je 19 '13; Same. *Foundry* 41:276-80 J1 '13

Marmon accuracy and how obtained. *Il Automobile* 29:1044-8 D 4 '13

Mass-production the source of perfected construction. *Automobile* 28:1023-4 My 15 '13

Maxwell uses one factory for spare parts for 244 models. *Il Automobile* 29:1098-1100 D 11 '13

Model automobile foundry: Willys-Overland co., Toledo, O. *Il plan Metal Ind n s* 11:475-6 N '13

Modern plant of Dodge Bros., Detroit, for automobile parts. *Il plans Iron Age* 91:1-10, 144-6 Ja 2-9 '13

Overland company's aluminum foundry. *Il plan Automobile* 29:459-61 S 11 '13

Packard motor car company, Detroit. O. J. Abell. *Il Iron Age* 91:1347-54, 1415-24, 1473-6 Je 6-19 '13

Secrets of automobile casting manufacture. *Il Foundry* 41:261-71 J1 '13

Shop practice of the Willys-Overland co., Toledo; evolution of a four-throw crankshaft-machining flywheels, cam-shafts, etc. D. T. Hamilton. *Il Mach* 19:495-9 Mr '13

Six-story continuous foundry building of the Ford motor company. O. J. Abell. *Il Iron Age* 92:1-7 J1 3 '13

Standardizing the making of automobile parts. *Am Mach* 38:833 My 15 '13

Tools for a high grade automobile. R. Mawson. *Il Am Mach* 38:127-30 Ja 23 '13

See also Automobile engines—Manufacture; Automobiles—Gearing; Automobiles—Painting

Nomenclature

Nomenclature report. E. J. Stoddard. *Automobile* 28:1222 Je 12 '13

Painting

Rapid painting of the automobile. *Automobile* 29:19 J1 3 '13

See also Automobiles—Color

Pedals

Adjustable pedals. *Il Automobile* 29:236-9 Ag 7 '13

Price lists

Lists and specifications of 1913 cars. *Automobile* 28:100-7 Ja 9 '13

What gasoline pleasure car can I buy? a composite price list of American pleasure cars. T. M. R. von Keler. *Sci Am* 108:44 Ja 11 '13

Radiators

Angles for pump connection to radiator. H. W. Hawkins. *Foundry* 41:232 Je '13

Best anti-freeze solution. *Automobile* 29:1022 N 27 '13

Getting the angles for the pump connection to an auto radiator. *Foundry* 41:30 Ja '13

Repairing radiator tube leak. *diag Automobile* 28:989-90 My 8 '13

Wolfe radiator with variable area. *Il Automobile* 29:294 Ag 14 '13

Repair

Making repairs on inner tubes. *Automobile* 29:71 J1 10 '13

Tire repairs—roadside and garage. J. E. Schipper. *Il Automobile* 29:495-9, 546-9 S 18-25 '13

See also Automobiles, Care of

Safety devices

Mirrors for dangerous street corners. *Il Automobile* 28:645 Mr 13 '13

Shock absorbers

See Shock absorbers

Signals

See Automobile signals

Springs

Adapting spring suspension to varying loads. *diag Automobile* 28:1023 My 15 '13

Comprehensive tests to develop data for improvements of springs and tires. *Automobile* 29:298-9 Ag 14 '13

Considerations in automobile spring design. *Automobile* 28:1027 My 15 '13

Defects in springs. *Automobile* 28:1255, 1303; 29:17-8, 65-6, 159 Je 19-J1 10, 24 '13

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Design of automobile springs. D. Landau and A. Golden. *Am Mach* 38:148-50 Ja 23 '13

Friction between the spring leaves a small factor in the damping of oscillations. *Automobile* 29:1154-6 D 18 '13

Progress in spring suspension. H. C. Turner. *Automobile* 28:1276-7 Je 19 '13

Reasons for the wobbling of front wheels. *Automobile* 29:380-1 Ag 28 '13

Riedler on the action of springs. *Automobile* 28:846-7 Ap 17 '13

Tests for leaf springs and their treatment. E. F. Lake. *Il Mach* 20:217-21 N '13

Starting devices

Air preferred for starters in France. *diag Automobile* 28:804-5 Ap 10 '13

Auto-Lite co.'s flywheel type starter. *Il Automobile* 29:818 O 30 '13

Deaco starter is made in three types. *diags Automobile* 29:972-3 N 20 '13

Effect of the self-starter on motor-truck development. *Eng Rec* 67:510 My 10 '13

Electric cranking and lighting. *Il Automobile* 28:242-7, 310-5, 339-45, 416-21 Ja 16-F 6 '13

Electric starter for automobiles. *Il Elec W* 61:1185-6 My 31 '13

Estimated working capacity and weights of starters operated by compressed air shot into cylinders. *Automobile* 29:1069 D 4 '13

Automobiles—Starting devices—Continued.

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Automobiles, Electric. See Electric trucks; Electric vehicles**Automobiles, Military**

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See also Auto-intoxication

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Bank protection. See Canals; Rivers—Regulation**Banking law**

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See also Motor barges

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Barges, Motor. See Motor barges**Barium**

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Bascule bridges. See Bridges, Bascule**Baseball indicators**

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Bath tubs, Portable

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Beacons. *See* Lightships

Beams. *See* Girders

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Beet sugar. *See* Beets and beet sugar

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Pioneers in telephone engineering. T: A. Watson. *il Sci Am S* 75:216-7 Ap 5 '13

Bell buoys. *See* Buoys

Belmont, Oliver Hazard Perry, 1858-1908
Revival of French Gothic architecture: a mausoleum after St. Hubert's chapel. L. R. McCabe. *il Arch Rec* 34:202-12 S '13

Belt lacing
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British battleship Benbow. *Int Marine Eng* 18:125 Mr '13

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Bending machines
Power bending machine. *il Concrete Cem* 2:204 Ap '13

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See also Building and loan associations

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Benzoic acid as standard material. *Eng & Min J* 96:835-6 N 1 '13

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Problem of the world's oil supply. *Sci Am* 108:325 Ap 5 '13

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Samnanger hydroelectric plant. *il map plan Eng Rec* 67:329-31 Mr 22 '13

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Recent improvements. *il plans Elec Ry J* 42:1170-7, 1270-4 D 6, 20 '13

Berlin, Germany
Politics and government
Verband Gross-Berlin, a new form of metropolitan government. *Eng N* 70:310 Ag 14 '13

Berlin, Germany—Continued.**Rapid transit**

Rapid transit development in Berlin and New York: subway and elevated lines. maps
Elec Ry J 42:377-9 S 6 '13

Streets

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Eng N 70:531-7 S 18 '13

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- Boats**
See also Barges; Canal boats; Ferry-boats; Freight ships; Hydroaeroplanes; Lifeboats; Motor barges; Motor boats; Shipbuilding; Ships; Steamboats; Submarine boats; Tow boats and towing; Yachts
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Some remarkable examples of soot. *Il Power* 38:595-6 O 28 '13
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Are your boilers properly inspected? *Power* 37:231 F 18 '13
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See also Locomotive boilers
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See also Boilers; Steam plants
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Boiler blow-down recorder. P. A. Bancel. *diag Power* 37:775-6 Je 3 '13
Boiler capacity at altitude. *Eng & Min J* 96:369-70 Ag 23 '13
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See also Boiler cleaning; Boiler explosions; Boiler piping; Boiler plants; Boiler scale; Boiler tubes; Feed water; Fuel; Safety valves; Steam; Steam engines; Water gage glasses

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- Blonck boiler-efficiency recording meter. Il Power 38:868 D 16 '13
- Boiler-efficiency indicator. diag Eng & Min J 96:454 S 6 '13
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Testing

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 Experiments on moving loads on highway bridges. Eng Rec 68:165-6 Ag 9 '13
 Impact stresses in railroad bridge design. Eng Rec 67:364 Mr 29 '13
 Moving loads on steel bridges: consideration of stresses produced by train crossing truss and girder spans. Eng Rec 68:663-4 D 13 '13

Reconstruction

- Bridge renewal on the Boston & Albany railroad. Il Ry & Eng R 53:1058-9 N 15 '13
 Bridge renewal over Cedar river near Moscow, Iowa. Il Ry Age 54:896-7 Ap 18 '13
 Erecting Canadian Pacific bridge over the St. Lawrence river. Il diags Ry Age 54:1027-9 My 9 '13
 Kaw river bridge reconstruction. Il plan Eng Rec 67:434-6 Ap 19 '13
 Moving a three-span truss bridge over the Kaw river at Kansas City. C. E. Smith. Il plans Eng N 70:54-61 J1 10 '13
 Moving the Union Pacific Kaw river bridge, Kansas City. Il plans Eng Rec 67:601-2 My 31 '13
 Novel method of removing an old bridge. Eng N 69:846 Ap 24 '13
 Ohio river bridge at Kenova, W. Va. Il diags Ry Age 55:407-13 S 5 '13
 Pont Notre-Dame reconstruction, Paris; arch replacement under traffic. Il plans Eng N 70:1211-4 D 18 '13
 Rebuilding of the burned Newark Bay trestle bridge, Pennsylvania railroad. Il Ry & Eng R 53:796 Ag 23 '13
 Rebuilding the Zanesville bridge. Il Eng N 69:1146-7 My 29 '13
 Reconstruction of Kaw river bridge. C. E. Smith. Il plans Ry Age 55:45-9 J1 11 '13
 Reconstruction of the old chain bridge at Newburyport, Mass. E. C. Sherman. Il plans Eng N 70:585-7 S 25 '13
 Reconstruction of the Quebec bridge: a design. G. Kriwoschein. Il Sci Am S 75:293-5 My 10 '13
 Renewing two swing spans under traffic at Lacolle, Quebec, and Portland, Me. Il plan Ry Age 54:1575-7 Je 20 '13
 Replacing a timber Howe truss with a long-span plate-girder. Il plan Eng N 70:1303-4 D 25 '13
 Replacing Cedar river bridge; building new and extending old piers; erecting plate-girder spans by derrick cars and by overhead jigger beams. Il Eng Rec 68:183-5 Ag 16 '13
 Replacing high timber trestle near Boone, Iowa without interrupting traffic. Il Eng Rec 67:187-8 F 15 '13
 Replacing Portageville, N. Y., bridges. Il plan Eng Rec 67:407 Ap 12 '13
 Replacing Sumner street bridge, Toledo. plan Eng Rec 67:654 My 17 '13
 Replacing the Cuyahoga river draw bridge [bascule]. Il diags Eng Rec 67:20-1 Ja 4 '13
 Safeguarding displaced viaduct piers: stopping dangerous settlement and sliding by drainage system; underpinning and rebuilding foundations at Cleveland. Il diags Eng Rec 68:661-3 D 13 '13
 Schuylkill river bridge improvements: widening a masonry arch structure on Pennsylvania main line in Philadelphia. Il diag Ry Age 55:1173-6 D 19 '13
See also Bridge moving; Bridges—Repairs

Repairs

- Bridge maintenance. Ry Age 54:1560-1 Je 20 '13
 Novel bridge repair job at Uhrichsville, Ohio. E. Stingel. Il plan Eng Rec 68:53 J1 12 '13
 Reinforcing a scoured pier foundation at Newcomerstown, O. E. Stingel. diag Eng Rec 68:182 Ag 16 '13
 Reinforcing an old railway viaduct. W. T. Curtis. plan Eng N 69:1326-7 Je 26 '13

Replacing lower chord of a drawspan while in service. Il Eng Rec 67:571 My 24 '13

See also Bridges—Reconstruction

Bridges, Arched

- Allentown, Pa.—reinforced concrete viaduct for heavy service. B. H. Davis. Il plans Concrete Cem 2:161-8 Ap '13
 Allentown, Pa.—South Eighth street viaduct. Il plans Eng N 69:759-63 Ap 17 '13
 Atherton avenue highway bridge, Pittsburgh. Il plans Eng Rec 67:540-2 My 17 '13
 Broadway bridge across Oswego river and the New York barge canal at Fulton, N. Y. Il plan Eng Rec 67:88-90 Ja 25 '13
 Capitol avenue bridge, Indianapolis, Ind. L. V. Sheridan. Munic Eng 45:268-9 S '13
 Carondelet park bridge, St. Louis, Mo. C. W. Martin. Il plans Eng N 70:646-50 O 2 '13
 Catawba river bridge near Charlotte, North Carolina. Il Eng Rec 67:272 Mr 8 '13
 Colorado street bridge over Arroyo Seco, Cal. E. E. Howard. Il plan Eng Rec 67:568-70 My 24 '13
 Combination concrete and cast iron for columns and arch ribs. Il diag Eng N 70:864-5 O 30 '13
 Concrete highway bridge at Ansonia, Connecticut. plans Eng Rec 67:219-20 F 22 '13
 Construction of the Martin's creek viaduct for Delaware, Lackawanna & Western railroad. Il Eng Rec 68:710-2 D 27 '13
 Crooked river arch bridge, Oregon. Il diags Ry Age 54:394-6 F 28 '13
 Crooked river bridge, Oregon. C. E. Chase. Il plan Eng N 69:549-55 Mr 20 '13
 Delaware river bridge of the P. & R. E. Chamberlain. Il plans Ry Age 54:944-50 Ap 25 '13
 Fall River, Mass. concrete arch bridge. Il plan Eng Rec 67:465 Ap 28 '13
 Fitchburg, Mass.—Fifth street viaduct. Il plans Eng N 69:443-7 Mr 6 '13
 Halen reinforced-concrete bridge, Bern, Switzerland. Il plans Eng N 70:531-7 S 18 '13
 Largest reinforced concrete bridge in America, Pittsburgh. F. C. Perkins. Il Sci Am S 75:348 My 31 '13
 Method of designing arches, Kingshighway viaduct, St. Louis. Eng Rec 67:136-7 F 1 '13
 Nisqually river pipe-line bridge; design and erection at La Grande, Wash. Il plan Eng Rec 67:327-8 Mr 22 '13
 Pont Notre-Dame reconstruction, Paris; arch replacement under traffic. Il plans Eng N 70:1211-4 D 18 '13
 Spokane, Washington—Latah creek bridge. J. F. Greene. Il plan Eng Rec 67:312-4 Mr 22 '13; Same cond. Il plan Eng N 69:614-7 Mr 27 '13
 Tunkhannock viaduct construction on D., L. & W. relocation. Il Eng Rec 68:594-6 N 29 '13

Bridges, Bascule

- Bascule highway bridge with overhead balance beams installed across a lock of the New York barge canal at Phoenix, N. Y. plan Eng Rec 67:177 F 15 '13
 Double deck bascule bridge at Fort William, Ont. Il diag Ry Age 55:603-4 O 3 '13
 Double-deck bascule bridge over the Chicago river. plans Eng N 70:116-7 J1 17 '13
 Gunpowder and Bush river bridges. Il diags Eng Rec 68:144-5 Ag 9 '13
 Hand-operated bascule bridge. diag Eng N 70:665 O 2 '13
 Largest bascule bridge: double-track, single-leaf span for Baltimore & Ohio bridge over Calumet river, Chicago. Il Eng Rec 68:697 D 20 '13
 Lift bridges of Milwaukee. H. G. Tyrrell. Il Munic Eng 45:2-7 J1 '13
 Long-span double-deck bascule drawbridge over the Kaministiquia river for Canadian Pacific Ry. Il Eng N 70:308 Ag 14 '13
 Motor-operated, three-leaf lift bridge. Il Iron Tr R 52:574 Mr 6 '13
 New type of rail joint for bascule and vertical-lift bridges. Il diags Ry & Eng R 53:428-9 My 10 '13

Bridges, Bascule—Continued.

- Norwalk, Conn., Washington street bridge. plans Eng Rec 68:103-4 J1 26 '13
 Portland—broadway bridge over Willamette river. W. P. Hardesty. II plan Eng N 70:704-10 O 9 '13
 Roll rolling bascule bridge at Portland, Ore. II diag Ry Age 54:606 Mr 19 '13
 Recent types of railway bascule bridges. H. G. Tyrrell. II Ry & Eng R 53:236-8 Mr 15 '13
 Replacing the Cuyahoga river draw bridge [bascule]. II diags Eng Rec 67:20-1 Ja 4 '13
 Road improvements of the Northern Pacific Ry., in Washington. II plan Ry & Eng R 53:259-60 Mr 22 '13
 Rolling lift bridge 186 ft. long. So. Chicago. II Iron Age 91:299 Ja 30 '13
 Small bascule highway draw span, Barnstable, Mass. II Eng N 70:166-8 J1 24 '13
 Strauss single leaf bascule bridge at South Chicago. II diag Ry Age 54:605-6 Mr 19 '13

Bridges, Cantilever

- Adopted design of the Quebec bridge. R. Modjeski. diags Ry Age 55:559-63 S 26 '13
 Comparative economy of cantilever and suspension bridges. Eng Rec 67:566-7 My 24 '13
 Designing the Quebec bridge. R. Modjeski. II Eng M 46:417-20 D '13
 High cantilever bridge in Mexico across Rio Chico. II diags Ry Age 55:1222-4 D 26 '13
 Large cantilever bridge in China. II Eng N 69:61 Ja 9 '13
 Latest bridge design for Sydney harbor, N. S. W.; the third largest span in the world. Eng N 70:220 J1 31 '13
 Lifting the 130,000,000 pound Quebec bridge. H. F. Stratton. II Eng M 46:341-9 D '13
 Memphis cantilever bridge. plans Eng N 70:930-2 N 6 '13
 New Mississippi river bridge at Memphis, Tenn. diags Eng Rec 68:516-7 N 8 '13; Ry Age 55:824-5 O 31 '13
 Proportioning of long-span truss and cantilever bridges. J. Mayer. J Fr Inst 176:658-70 D '13 (to be cont)
 Reinforcing an old cantilever bridge, Philadelphia, Penn. II plan Eng N 70:487-9 S 11 '13
 Sewickley, Pa., cantilever bridge. II plans Eng N 69:393-9 F 27 '13
 Suspension bridges and cantilevers. D. B. Stehman. Eng Rec 67:547-8, 577-8 My 17-24 '13

Bridges, Concrete

- Allentown, Pa.—reinforced concrete viaduct for heavy service. B. H. Davis. II plans Concrete Cem 2:161-8 Ap '13
 Allentown, Pa.—South Eighth street viaduct. II plans Eng N 69:759-63 Ap 17 '13
 Atherton avenue highway bridge, Pittsburgh. II plans Eng Rec 67:540-2 My 17 '13
 Broadway bridge across Oswego river and the New York barge canal at Fulton, N. Y. II plan Eng Rec 67:88-90 Ja 25 '13
 Carondelet park bridge, St. Louis, Mo. C. W. Martin. II plans Eng N 70:646-50 O 2 '13
 Catawba river bridge near Charlotte, North Carolina. II Eng Rec 67:272 Mr 8 '13
 Colorado street bridge over Arroyo Seco, Cal. E. El Howard. II plan Eng Rec 67:568-70 My 24 '13
 Colorado street bridge over the Arroyo Seco, Pasadena, Cal. II plans Eng N 70:146-50 J1 24 '13
 Concrete bridges to withstand flood, and their comparative cost. Concrete Cem 2:240; 3:115 My, S '13
 Concrete highway bridge at Ansonia, Connecticut. plans Eng Rec 67:219-20 F 22 '13
 Concrete specifications for bridge substructure. Eng Rec 68:305-6 S 13 '13
 Concreting the Milwaukee avenue viaduct, Chicago. II Eng Rec 67:304 Mr 15 '13
 Construction of the Fifth street viaduct, Fitchburg, Mass. II Eng Rec 67:4-6 Ja 4 '13
 Construction of the Martin's creek viaduct for Delaware, Lackawanna & Western railroad. II Eng Rec 68:710-2 D 27 '13

- Cumberland, Ill. concrete bridge for a rural community. II plan Eng Rec 67:605 My 31 '13
 Delaware river bridge of the P. & R. E. Chamberlain. II plans Ry Age 54:944-50 Ap 25 '13
 Designing concrete slab spans for double-track bridges of Pennsylvania railroad across the Bush and Gunpowder rivers. Eng Rec 68:400 O 11 '13
 Fall River, Mass.—concrete arch bridge. II plan Eng Rec 67:465 Ap 26 '13
 Features of concrete-bridge design. Eng Rec 68:366 O 4 '13
 Fitchburg, Mass.—Fifth street viaduct. II plans Eng N 69:443-7 Mr 6 '13
 Georgia-Harris viaduct, Vancouver, B. C. plan Eng N 70:344-5 Ag 21 '13
 Gilbert Avenue viaduct in Cincinnati. II plan Eng Rec 67:246-8 Mr 1 '13
 Gravity concrete-depositing plant, Fallsway viaduct, Baltimore. Eng N 70:927-8 N 6 '13
 Gunpowder and Bush river bridges. II diags Eng Rec 68:144-5 Ag 9 '13
 Halen reinforced-concrete bridge, Bern, Switzerland. II plans Eng N 70:531-7 S 18 '13
 Hopatcong-Slateford cut-off: heavy concrete bridge work. C. W. Simpson. II diags Ry Age 54:9-14 Ja 3 '13
 Lake Park bridge, Milwaukee, Wis. O. B. Young, Jr. II Munic Eng 45:53-4 J1 '13
 Largest reinforced concrete bridge in America, Pittsburgh. F. C. Perkins. II Sci Am S 75:348 My 31 '13
 Light reinforced-concrete arch, La Mescla, France. plan Eng N 69:307 F 13 '13
 Long span concrete bridges. diags Concrete Cem 3:119-20 S '13
 Marshalltown, Ia. reinforced-concrete girder bridge. H. J. Rodgers. II plan Eng N 69:660-1 Mr 20 '13
 Method of designing arches, Kingshighway viaduct, St. Louis. Eng Rec 67:136-7 F 1 '13
 Nicholson, Pa.—foundations for the Tunkhannock viaduct. II plan Eng Rec 67:482, 484-8 My 3 '13
 Norwalk, Conn., Washington street bridge. plans Eng Rec 68:103-4 J1 26 '13
 Pasadena's beautiful bridge. II Sci Am 109:423 D 6 '13
 Pennsylvania railroad has incased unsightly eight-track and five-track plate-girder spans in ornamental concrete. II plans Eng Rec 68:401-2 O 11 '13
 Present status of bridge building. F. P. McKibben. II Concrete Cem 1:48-51 D '12
 Prize design for James river bridge at Richmond. II Eng Rec 68:540 N 15 '13
 Reinforced concrete. C. H. Moorefield. II plans U S Pub Road Bul 45:13-39 '13
 Reinforced concrete slabs under concentrated loading. A. T. Goldbeck. diags Concrete Cem 3:56-9 Ag '13
 Spokane viaduct. II Concrete Cem 3:199-200 N '13
 Spokane, Washington concrete arch bridge; Latah creek bridge. J. F. Greene. II plan Eng Rec 67:312-4 Mr 22 '13; Same cond. II plan Eng N 69:614-7 Mr 27 '13
 Summit-Hallstead cut-off of Delaware, Lackawanna & Western railroad: description of Tunkhannock viaduct and other structures. II diags Ry Age 55:1069-74 D 5 '13
 Tunkhannock viaduct construction on D., L. & W. relocation: continuous concreting of piers, more than 200 feet high, and adjustable steel truss centers for 180-foot arch spans. II diags Eng Rec 68:594-6 N 29 '13
 Two large concrete arches on a Swiss mountain railway. II Eng N 70:1294-5 D 25 '13
 Yardley, (Pa.) bridge across the Delaware river, Philadelphia & Reading Ry. II plans Eng N 69:1101-8 My 29 '13

Bridges, Iron and steel

- Bridge trusses with uniform T-shape members. plan Eng Rec 67:202 F 22 '13
 Columbia river bridge at Trail. plan Eng Rec 67:150-1 F 8 '13
 Cost of erecting a steel bridge. Eng N 69:575-6 Mr 20 '13

Bridges, Iron and steel—Continued.

- Erecting the New Geneva, Pa. bridge. *Il plan Eng Rec 67: 458-60 Ap 26 '13*
 Erection of Monongahela river bridge. *Il Ry Age 54:95-8 Ja 17 '13*
 Failure of a steel-truss highway bridge in Colorado. W. H. Hubbard, jr. *Il plan Eng N 69:532-3 Mr 13 '13*
 Fort Dodge, Des Moines & Southern Ry. replaces high timber trestle with a steel viaduct. *Il plans Eng N 69:830-3 Ap 24 '13*
 High steel viaduct in New Zealand. *Eng Rec 68:277 S 6 '13*
 Highway bridge specifications; requirements outlined by U. S. office of public roads. *Eng Rec 68:230-2 Ag 30 '13*
 Instruction for the inspection of the fabrication of steel bridges. *Ry Age 54:581-3 Mr 19 '13*; Same. *Ry & Eng R 53:306 Mr 29 '13*
 Iron and steel railway bridge in German Cameroon. A. Gradenwitz. *Il Eng Rec 68:134 Ag 2 '13*
 Necessary precautions in the design and supervision of construction of low-truss steel highway bridges. G. M. Braune. *Eng N 70: 398-9 Ag 28 '13*
 Nisqually river pipe-line bridge; design and erection at La Grande, Wash. *Il plan Eng Rec 67:327-8 Mr 22 '13*
 Observations on bridge expansion. H. A. Loser. *diag Eng N 70:1170-1 D 11 '13*
 Reinforcing an old cantilever bridge, Philadelphia, Penn. *Il plan Eng N 70:487-9 S 11 '13*
 Replacing high timber trestle near Boone, Iowa without interrupting traffic. *Il Eng Rec 67:187-8 F 15 '13*
 Steel highway bridge specifications of the U. S. office of public roads. *Eng Rec 68: 255 S 6 '13*
 Tacoma's steel lift bridge. J. O. Bashford. *Il Munic Eng 44:183 Mr '13*
 Tests of two large nickel steel columns. H. W. Hodge. *Il plan Eng Rec 67:234-5 Mr 1 '13*
 Typical specifications for the fabrication and erection of steel highway bridges. *U S Pub Road Circ 100:1-25 '13*
 Weldon viaduct over the Roanoke river; 3,688 feet long. *Il plan Ry Age 54:998-1000 My 2 '13*

See also Bridges—Load

Bridges, Lift

- Buffalo river lift bridges. E. Low. *Il diags map Ry Age 54:197-201 Ja 31 '13*
 Cables of the Halsted street lift bridge at Chicago. *Eng N 70:371-2 Ag 21 '13*
 City waterway bridge, Tacoma, Washington. *Il Eng N 69:1010 My 15 '13*
 Comparison of old and new designs for vertical-lift bridges. H. G. Tyrrell. *Eng N 70: 225-6 Jl 31 '13*
 Direct-lift bridges. *diags Eng Rec 68:403 O 11 '13*
 Direct-lift drawbridges without cables. *diags Eng N 69:1168-71 Je 5 '13*
 Erection of a cable lift bridge. W. J. Howard. *Il plan Eng N 70:500-1 S 11 '13*
 New lift bridge of the Oregon-Washington R. R. & navigation co. at Portland. *Il Ry & Eng R 53:137-8 F 15 '13*
 New type of vertical lift bridge. *plans Ry & Eng R 53:390-1 Ap 26 '13*
 Repairs to the So. Halsted st. lift bridge over the Chicago river. *Eng N 69:920 My 1 '13*
 Strauss direct lift bridge. *diags Ry Age 54:553-5 Mr 18 '13*
 Tacoma's steel lift bridge. J. O. Bashford. *Il Munic Eng 44:183 Mr '13*
 Two motor-operated railroad lift bridges of the New York, New Haven & Hartford. *Il Ry Age 54:558-9 Mr 18 '13*
 Vertical lift-span highway bridge in Tacoma. *Il Eng Rec 67:428-9 Ap 19 '13*

Bridges, Pontoon. See Pontoon bridges**Bridges, Railroad**

- Akron, Ohio—group of railroad plate-girder bridges. *plans Eng Rec 67:355-6 Mr 29 '13*
 Bridge maintenance. *Ry Age 54:1560-1 Je 20 '13*

- Bridge renewal over Cedar river near Moscow, Iowa. *Il Ry Age 54:896-7 Ap 13 '13*
 Bridges, viaducts and embankment work of the New York connecting railroad. *Il map plans Eng Rec 68:79-81 Jl 19 '13*
 Chinese railway bridge. F. C. Coleman. *Il Sci Am S 75:181 Mr 22 '13*
 Construction features of the substructure of the Cumberland river bridge, L. & N. Ry. H. M. Jones. *Il map Eng N 69:1050-2 My 22 '13*
 Construction of the Martin's creek viaduct for Delaware, Lackawanna & Western railroad. *Il Eng Rec 68:710-2 D 27 '13*
 Crooked river arch bridge, Oregon. *Il diag Ry Age 54:394-6 F 28 '13*
 Crooked river bridge, Oregon. C. E. Chase. *Il plan Eng N 69:549-55 Mr 20 '13*
 Delaware river bridge of the F. & R. E. Chamberlain. *Il plans Ry Age 54:944-50 Ap 25 '13*
 Designing concrete slab spans for double-track bridges of Pennsylvania railroad across the Bush and Gunpowder rivers. *Eng Rec 68:400 O 11 '13*
 Development of short-span railway bridges. *Eng Rec 68:148 Ag 9 '13*
 Direct-lift bridges. *diags Eng Rec 68:403 O 11 '13*
 Double deck bascule bridge at Fort William, Ont. *Il diag Ry Age 55:603-4 O 3 '13*
 Doubling the load capacity of an old iron railroad viaduct. *Il diag Ry Age 54:1322-4 Je 13 '13*
 Drawbridges over rivers having limited navigation. C. E. Smith. *Eng N 69:151-2 Ja 23 '13*
 Emergency bridge reconstruction: Baltimore & Ohio R. R. *Il Eng N 70:87 Jl 10 '13*
 Equivalent uniform loads on bridges for different types of engine. *Eng N 70:824-5 O 23 '13*
 Erecting a plate-girder bridge with a gantry traveler. *Il Eng Rec 67:663 Je 14 '13*
 Erecting Canadian Pacific bridge over the St. Lawrence river. *Il diags Ry Age 54: 1027-9 My 9 '13*
 Erecting 85-foot plate girder spans with a ginpole. *Il Eng Rec 68:106 Jl 26 '13*
 Erecting Illinois river bridge at Peoria. *Il Eng Rec 67:657 Je 14 '13*
 Erecting the Boucanner river (Canada) viaduct. *Eng Rec 67:525-6 My 10 '13*
 Erecting the New Geneva, Pa. bridge. *Il plan Eng Rec 67:456-60 Ap 26 '13*
 Erection costs for a double-track railway bridge. M. A. O. Stilson. *Il plan Eng N 69: 362-4 F 20 '13*
 Erection of a cable lift bridge. W. J. Howard. *Il plan Eng N 70:500-1 S 11 '13*
 Erection of Kentucky & Indiana bridge: details of superstructure of Ohio river crossing at Louisville. *Il diag Ry Age 54:57-61 Ja 10 '13*
 Erection of Monongahela river bridge. *Il Ry Age 54:95-8 Ja 17 '13*
 Extensive improvements on the Louisville & Nashville. *Il map Ry Age 55:143-9 Jl 25 '13*
 Fort Dodge, Des Moines & Southern Ry. replaces high timber trestle with a steel viaduct. *Il plans Eng N 69:830-3 Ap 24 '13*
 Foundation work on the Pitt river bridge: Canadian Pacific Ry. *Il plan Eng Rec 67: 717-8 Je 28 '13*
 Foundations for the Tunkhannock viaduct, Nicholson, Pa. *Il plan Eng Rec 67:482, 484-8 My 3 '13*
 Grade-crossing elimination at Second Avenue and Try Street, Pittsburgh. *Il plans Eng Rec 68:32-4 Jl 12 '13*
 Gunpowder and Bush river bridges. *Il diags Eng Rec 68:144-5 Ag 9 '13*
 High cantilever bridge in Mexico across Rio Chico. *Il diags Ry Age 55:1222-4 D 26 '13*
 High steel viaduct in New Zealand. *Eng Rec 68:277 S 6 '13*
 Hopatcong-Slateford cut-off: heavy concrete bridge work. C. W. Simpson. *Il diags Ry Age 54:9-14 Ja 3 '13*
 Impact stresses in railroad-bridge design. *Eng Rec 67:364 Mr 29 '13*

Bridges, Railroad—Continued.

Iron and steel railway bridge in German Cameroon. A. Gradenwitz. *Il Eng Rec* 68: 134 Ag 2 '13

Iron and steel structures. Ry Age 54:580-5 Mr 19 '13

Kaw river bridge reconstruction. *Il plan Eng Rec* 67:434-6 Ap 19 '13

Lachine bridge erection across the St. Lawrence river. *Il Eng Rec* 67:380-1 Ap 5 '13

Largest bascule bridge: double-track, single-leaf span for Baltimore & Ohio bridge over Calumet river, Chicago. *Il Eng Rec* 68:697 D 20 '13

Lewistown-Great Falls line of the C. M. & St. P. Ry. *Il plans Ry & Eng R* 53:685-9 JI 19 '13

Lift bridges over the Buffalo river. E. Low. *Il diags map Ry Age* 54:197-201 Ja 31 '13

Maintenance engineering in railroad work. *Eng N* 69:109 Ja 16 '13

Memphis cantilever bridge. *plans Eng N* 70: 930-2 N 6 '13

Motor cars for bridge gangs. Ry Age 55:786-7 O 24 '13

Moving a bridge to permit the passage of a dredge. *Eng Rec* 67:220 F 22 '13

Moving loads on steel bridges. *Eng Rec* 68: 663-4 D 13 '13

Moving the Union Pacific Kaw river bridge, Kansas City. *Il plans Eng Rec* 67:601-2 My 31 '13

New bridge over the Mississippi at St. Paul, on the C. G. W. Ry. *map plan Ry & Eng R* 53:50-1 Ja 18 '13

New lift bridge of the Oregon-Washington R. R. & navigation co. at Portland. *Il Ry & Eng R* 53:137-8 F 15 '13

New Mississippi river bridge at Memphis, Tenn. *diags Eng Rec* 68:516-7 N 8 '13

New Mississippi river bridge at Memphis. *diag Ry Age* 55:824-5 O 31 '13

New type of vertical lift bridge. *plans Ry & Eng R* 53:390-1 Ap 26 '13

Ohio river bridge at Kenova, W. Va. *Il diags Ry Age* 55:407-13 S 5 '13

Partial wreck of the Sangamon river bridge by a derailed train: Wabash R. R. *Eng N* 69:89 Ja 9 '13

Pennsylvania railroad has incased unsightly eight-track and five-track plate-girder spans in ornamental concrete. *Il plans Eng Rec* 68:401-2 O 11 '13

Progress on the lower Ganges bridge, northern Bengal, India. M. D. Brayshay. *Il plans Eng N* 70:460-1 S 4 '13

Protective coatings for railway bridge floors. A. W. Carpenter. *Eng N* 69:60-1 Ja 9 '13

Providing for navigation during erection of drawbridges. *plan Eng N* 69:153-5 Ja 23 '13

Question of impact on bridge substructures. C. M. Luther. *Eng N* 69:180 Ja 23 '13

Railroad bridge design in Europe and America. *Eng Rec* 67:244-6 Mr 1 '13

Railway bridges on track elevation. G. H. Tinker. *Eng N* 69:355 F 20 '13

Rebuilding of the burned Newark Bay trestle bridge, Pennsylvania R. R. *Il Ry & Eng R* 53:796 Ag 23 '13

Rebuilding the Zanesville bridge, Baltimore & Ohio R. R. *Il Eng N* 69:1146-7 My 29 '13

Recent types of railway bascule bridges. H. G. Tyrrell. *Il Ry & Eng R* 53:236-8 Mr 15 '13

Reconstruction of Kaw river bridge. C. E. Smith. *Il plans Ry Age* 55:45-9 JI 11 '13

Reinforcing the Manistee river viaduct. *Eng Rec* 68:68 JI 19 '13

Renewing two double track swing spans. *Il diag Ry Age* 55:699-702 O 17 '13

Replacing Cedar river bridge: building new and extending old piers; erecting plate-girder spans by derrick cars and by overhead jigger beams. *Il Eng Rec* 68:183-5 Ag 16 '13

Replacing high timber trestle near Boone, Iowa without interrupting traffic. *Il Eng Rec* 67:187-8 F 15 '13

Replacing Portageville [N. Y.] bridges. *Il plan Eng Rec* 67:407 Ap 12 '13

Report of committee of American railway engineering assn. on wooden bridges and trestles. Ry Age 54:617-20 Mr 20 '13

Schuylkill river bridge improvements: widening a masonry arch structure on Pennsylvania main line in Philadelphia to carry a five-track passenger line. *Il diag Ry Age* 55:1173-6 D 19 '13

Southern Pacific bridge at Sacramento: double track, double deck, swing span. *Il Ry Age* 54:846-9 Ap 11 '13

Strauss single leaf bascule bridge at South Chicago. *Il diag Ry Age* 54:605-6 Mr 19 '13

Substructure for East river bridge division, New York connecting railway. *Il diag Eng Rec* 68:328-30 S 20 '13

Summit-Hallstead cut-off of Delaware, Lackawanna & Western railroad: description of Tunkhannock viaduct and other structures. *Il diags Ry Age* 55:1069-74 D 5 '13

Track elevation of the P. R. R. at Pittsburgh. *Il Ry & Eng R* 53:475-6 My 24 '13

Tunkhannock viaduct construction on D. L. & W. relocation. *Il Eng Rec* 68:594-6 N 29 '13

Two large concrete arches on a Swiss mountain railway. *Il Eng N* 70:1294-5 D 25 '13

Weldon viaduct over the Roanoke river: steel structure 3,688 feet long. *Il plan Ry Age* 54:998-1000 My 2 '13

Yardley (Pa.) bridge across the Delaware river, Philadelphia & Reading Ry. *Il plans Eng N* 69:1101-8 My 29 '13

Yardley (Pa.) bridge replacing. *Il plans Eng Rec* 67:493-4 My 3 '13

See also Bridge inspection; Bridge painting

Bridges, Suspension

Bridge over the Rhine at Cologne. C. J. Kavanagh. *Il plans diags Eng N* 70:845-9 O 30 '13

Clifton chain suspension bridge, over the River Avon, at Bristol, England. *Il Eng N* 69:191-2 Ja 30 '13

Clifton suspension bridge, at Bristol, England. H. G. Tyrrell. *Eng N* 69:379-80 F 20 '13

Comparative economy of cantilever and suspension bridges. *Eng Rec* 67:566-7 My 24 '13

Miniature suspension bridge. R. O. Richards. *plan Power* 37:677 My 13 '13

Proposed Hudson river bridge and tunnels to connect New York and New Jersey. *plans Eng N* 69:839-41 Ap 24 '13; *Eng Rec* 67:367, 384-7 Ap 5 '13; *Same cond. Eng M* 45:422-4 Je '13

Proposed long-span bridge over the Mersey, Liverpool, Eng. *Eng Rec* 67:73 Ja 18 '13

Suspension bridges and cantilevers. D. B. Steinman. *Eng Rec* 67:547-8, 577-8 My 17-24 '13

Briquets

Briquetting coal. *Il diag Colliery* 33:687-9 JI '13

Briquetting pitch from coke oven tar. *Iron Age* 92:589-90 S 11 '13

Briquetting plant at Cardiff, Wales. *Eng & Min J* 95:945 My 10 '13

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Canal boats

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Canal locks. See Locks (canals and rivers)**Canal machinery**

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See also Locks (canals and rivers)

Canals

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Construction of the Calumet-Sag canal. E. J. Kelly. *il map Eng N* 69:146-50 Ja 23 '13
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New Welland ship canal. *plan map Eng N* 70:598-602 S 25 '13
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Present status of the New York state barge canal. *Eng N* 69:181-2 Ja 23 '13
Proposed Welland ship canal. *map Eng Rec* 68:35-6 JI 12 '13
Protecting sandy canal banks. *Eng Rec* 68:498-9 N 1 '13
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See also Aqueducts; Canal boats; Canal machinery; Hydraulic engineering; Irrigation canals; Locks; Waterways; also Cape Cod canal; Chicago drainage canal; Louisville and Portland canal; New York state barge canal; Panama canal; Sault Ste. Marie canal; Suez canal

Canals, irrigation. See Irrigation canals**Cananea, Son., Mexico**

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Canned food. See Canning and preserving**Canneries**

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Canning and preserving

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Cantilever bridges. See Bridges, Cantilever**Cantilevers**

- Deflection at free end of cantilever beam for load of 500 pounds. *diags Mach* 20:314 D '13

Canton-Kowloon railway, China

- Expensive line built according to British standards. *Eng Rec* 67:216-7 F 22 '13

Cape Cod canal

- Cape Cod canal. *il Eng N* 69:47-50 Ja 9 '13; Same cond. *map Eng M* 44:933-6 Mr '13
Electric service in connection with the Cape Cod canal. *il Elec W* 62:376-8 Ag 23 '13
History and advantages. *il map Sci Am* 109:184-5 S 6 '13

Capital

- High price of capital. *Eng N* 70:618-9 S 25 '13
See also Banks and banking; Interest; Profit

Capitalization

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Car building. See Cars**Car cleaning**

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See also Car washing

Car couplings

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Mounting of radial couplers. A. L. Price. *Elec Ry J* 41:372-3 Mr 1 '13
Radial coupler and draft rigging for electric cars. *il Elec Ry J* 42:344 Ag 30 '13

Car fenders

- Fender and wheel-guard tests in Vancouver. *Elec Ry J* 42:968-9 N 1 '13
Novel disappearing fender. *il Elec Ry J* 41:77 Ja 11 '13

Car heating

- Baxter charcoal car heaters. *Ry Age* 54:1230 Je 6 '13
Location of steam heat traps on cars. *Ry Age (Mech ed)* 87:328 Je '13
Tests of alcohol heater car. *Ry Age* 55:53-4 JI 11 '13; Same. *Ry Age (Mech ed)* 87:441-2 Ag '13

Car houses

- Berkshire street railway—recent improvements. *il Elec Ry J* 42:1270-2 D 20 '13
Carhouse planning by the United railways & electric company of Baltimore. *Elec Ry J* 41:970 My 31 '13
Derby carhouse of the Connecticut company. *il plan Elec Ry J* 41:320-4 F 22 '13
Inexpensive carhouse, Kitsilano, B. C. *diag Elec Ry J* 42:1338 D 27 '13
Luzerne carhouse of the Philadelphia rapid transit company. *il plans Elec Ry J* 41:1136-41 Je 28 '13
Milwaukee—Fond du Lac avenue carhouse of the Milwaukee electric railway & light co. *il Elec Ry J* 41:497-501 Mr 15 '13
Muskogee, Okla. electric traction company carhouse. *il Elec Ry J* 42:1010-2 N 8 '13
New carhouse and shops at Dayton, Ohio. *il plans Elec Ry J* 42:450-4 S 20 '13
New headquarters carhouse of the Union street railway, New Bedford, Mass. *il plans Elec Ry J* 42:292-8 Ag 23 '13
Norfolk, Va.—scientific design of carhouses and shops. C. A. Neff and T. F. Thompson. *il plans Eng Rec* 67:284-7 Mr 15 '13; Same. *Elec Ry J* 41:490-6 Mr 15 '13

Car houses—Continued.

- Old and new carhouses at Berlin, Germany. II plan Elec Ry J 42:644-6 O 4 '13
 Pierce Street carhouse of the Omaha & Council Bluffs railway. II plans Elec Ry J 41:242-6 F 8 '13
 Repair shop board in Colorado Springs. II Elec Ry J 42:1245-6 D 13 '13
 Shops and carhouses of the Hamburg rapid transit system. II plan Elec Ry J 41:468-74 Mr 15 '13

See also Car inspection

Car inspection

- Developing efficient car inspectors. C. J. Wymer. Ry Age (Mech ed) 87:380 JI '13
 Inspection pit safety device. II plan Elec Ry J 42:1097 N 22 '13
 Inspection shop bonus system. P. V. See. Elec Ry J 42:1326 D 27 '13

Car inspectors' and car foremen's association.

See Chief interchange car inspectors' and car foremen's association

Car lighting

- Axle lighting system of the Atchison, Topeka & Santa Fe. diag Ry Age 54:1037 My 9 '13; Same. Ry Age (Mech ed) 87:392-3 JI '13
 Car illumination. Ry Age 55:831-3 O 31 '13
 Car lighting tests in Toledo. II Elec Ry J 42:1016-7 N 8 '13
 Car-lighting tests on the Bay state street railway, Boston. Elec Ry J 42:504 S 27 '13
 Cleveland tests on the illumination of cars. Elec Ry J 42:180-1 Ag 2 '13
 Constant voltage axle-lighting equipment of Electric storage battery co., Phil. diag Elec W 62:916-7 N 1 '13; Ry Age 55:923-4 N 14 '13; Ry & Eng R 53:1113 N 29 '13
 Electric railway car lighting. J. R. Cravath. II Elec Ry J 42:1057-8 N 15 '13
 Electric storage battery axle lighting system. diag Ry & Eng R 53:420 My 3 '13
 Illumination of street railway cars. Elec W 62:1042-3 N 22 '13; Elec Ry J 42:1282-3 D 20 '13
 Illumination of street railway cars. L. C. Porter and V. L. Staley. Elec Ry J 42:1089-92 N 22 '13
 Indirect lighting on limited trains between New York and Boston. II Elec W 61:888-9 Ap 26 '13
 Indirect lighting on New Haven trains. II Ry Age (Mech ed) 87:395 JI '13
 Lighting fixtures for postal cars. II Ry Age 54:681-2 Mr 21 '13; Same cond. Am Eng 87:218-9 Ap '13
 Postal car illumination tests, Baltimore & Ohio R. R. Ry & Eng R 53:317-8 Ap 5 '13
 Postal car illumination tests by Baltimore & Ohio railroad. Elec W 61:680-1 Mr 29 '13
 Postal car illumination tests made by the Baltimore & Ohio. diag Ry Age 54:669-71 Mr 21 '13; Same. Am Eng 87:212-4 Ap '13
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Car painting

- Baked enamel for painting steel cars. II Elec Ry J 41:686-7 Ap 12 '13
 Baked enamel painting on the cars of Hudson & Manhattan railroad. II Elec Ry J 41:146-9 Ja 25 '13
 Finishing steel passenger cars. Ry Age (Mech ed) 87:539-41 O '13
 Master painters' association on finishing steel passenger train cars, paint protection for steel equipment and paint tests. Ry Age 55:495-8 S 19 '13
 Paint protection for steel equipment. Ry Age (Mech ed) 87:544 O '13
 Painting cars with baking enamel. Elec Ry J 41:141 Ja 25 '13

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 Theory and practice of painting a modern steel passenger car. J. W. Lawrie. Sci Am S 76:230-1 O 11 '13

Car shops. See Railroads—Shops**Car shortage. See Freight car service****Car trucks**

- Canadian Pacific all-steel trucks. II diag Ry Age 55:1163-5 D 19 '13
 Derailment of trucks on curves. A. Stuckl. II Ry Age 54:111-2 Ja 17 '13
 Diagram for wheel and truck clearances of cars. W. Boothe. Eng N 69:578-9 Mr 20 '13
 Freight car truck experiments. Am Eng 87:42-4 Ja '13; Same. Ry Age 54:67-8 Ja 10 '13; Ry & Eng R 53:184-5 Mr 1 '13
 Link side bearing truck. diag Ry Age (Mech ed) 87:673-4 D '13; Same. Ry Age 55:1167-9 D 19 '13
 Manufacturing truck transoms for passenger coaches. G. Fraser. II Ry Age (Mech ed) 87:487-98 S '13
 Maximum-traction trucks versus M. C. B. trucks for city and suburban service. H. A. Benedict. Elec Ry J 41:1157-8 Je 28 '13
 Six-wheel trucks for passenger cars. J. A. Pilcher. Am Soc M E J 35:809-17 My '13; Same. Ry & Eng R 53:644-6 JI 5 '13
 Truck equalizer design. L. V. Curran. diag Am Eng 87:96-7 F '13
 Truck equalizer design. S. Holm. Ry Age (Mech ed) 87:350 JI '13
 Trucks for passenger cars. J. A. Pilcher. Ry Age 54:832-3 Ap 11 '13

See also Car wheels

Car ventilation

- Car window air intake. diag Ry Age (Mech ed) 87:564-5 O '13
 Ventilation of dining cars. II Heat & Ven 10:40-1 Mr '13
 Ventilation of passenger cars. Ry & Eng R 53:208-9 Mr 8 '13
 Ventilation of steel sleeping cars. II Heat & Ven 10:28-31 My '13
 Ventilation of steel sleeping cars. T. R. Crowder. Ry Age 54:285-7 F 14 '13
 Ventilator for arch roof. II Elec Ry J 42:72-3 JI 12 '13

Car washing

- Car washing versus paint preservation. M. B. Smith. Elec Ry J 42:228-9 Ag 9 '13
 New car-washing plant at St. Louis. II plan Elec Ry J 41:722-3 Ap 19 '13

Car wheels

- Car wheel failures. G. W. Lyndon. Ry Age 54:1021-2 My 9 '13; Same. Ry Age (Mech ed) 87:329-30 Je '13
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 Chilled cast iron car wheel. G. W. Lyndon. Iron Age 91:1110-1 My 8 '13
 Chilled iron car wheel. A. A. Hale. Ry & Eng R 53:730-2 Ag 2 '13
 Chilled iron car wheels for electric railway service. W. A. Bennett. II Elec Ry J 42:1098-1100 N 22 '13
 Chrome-vanadium car wheels. Iron Tr R 52:626 Mr 13 '13
 Chrome-vanadium tender wheels. Ry Age 54:386 F 28 '13
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Car wheels—Continued.

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- Removing flat spots from car wheels. *C. A. Curtis, Jr. diags Am Eng* 87:204 Ap '13
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- Wrought steel wheel. *D. F. Crawford. Ry Age* 55:902 N 14 '13

Carat

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Carbon

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- See also* Coal; Electric light carbons; Graphite

Carbon dioxide

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- See also* Boilers—Testing

Carbon dioxide recorders. See Recorders**Carbon disulphide**

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Carbon monoxide

- Deadly monoxide. *H. R. Callaway. Power* 37: 385-6 Mr 18 '13
- Deadly monoxide. *L. H. Morrison; H. R. Callaway. Power* 37:720 My 20 '13
- Testing for carbon monoxide. *Colliery* 34:14-5 Ag '13

Carbonine

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Carbons. See Electric light carbons**Carborundum**

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Carboys

- Interesting safety device for tilting carboys. *Il Iron Age* 91:533 F 27 '13

Carbureters

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- Carbureter manufacturers on carburetion. *Automobile* 28:638-9 Mr 13 '13
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- Representative carbureters. plan *Automobile* 28:464 F 13 '13

- Schebler R is automatic. *diags Automobile* 29: 575 S 25 '13

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- See also* Automobile engines; Gas and oil engines

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Carburizing materials

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Card system in business

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- See also* Accounting

Carhouses. See Car houses**Carload. See Freight car service—Carload****Carnotite**

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Carob

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Carpentry. See Building; Floors; Lathes; Miter-boxes; Trellis work**Carriage and wagon making**

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- See also* Automobiles—Manufacture

Carrier pigeons. See Pigeons

Carriers

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See also Demurrage; Freight; Negligence; Postal service; Railroads; Shipping; Transportation

Cars

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Air sander for interurban cars. F. G. Lister. diags Ry Age (Mech ed) 87:482 S '13
Air sander on interurban cars. plans Elec Ry J 42:419 S 13 '13
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Caboose laws. Am Eng 87:87 F '13
Car department notes. Am Eng 87:203 Ap '13
Car design from the repairman's standpoint. Am Eng 87:143 Mr '13
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Center-entrance interurban cars for the Kansas City, Clay County & St. Joseph railway. II Elec Ry J 41:120-2 Ja 18 '13
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Chief interchange car inspectors' and car foremen's assn. 14th annual convention. Ry Age (Mech ed) 87:495-6 S '13
Collapsible end construction for passenger equipment. diags Am Eng 87:87-8 F '13
Collapsible platform and vestibule. diag Ry Age 54:142-4 Ja 24 '13
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Hamburg elevated & subway system. II plan Elec Ry J 42:177-80 Ag 2 '13
Improved type of articulated car. II Elec Ry J 41:583-5 Mr 29 '13
Improvement in Pullman compartment car seats. II Ry & Eng R 53:512 My 31 '13
Low-step, center-entrance cars for Santa Barbara, Cal. II plan Elec Ry J 42:31 JI 5 '13
Maintenance of electrical equipment of cars in Brooklyn. II plans Elec Ry J 41:480-9 Mr 15 '13
Maintenance of equipment. Ry & Eng R 53:598-9 Je 21 '13
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New pay-within car for the Michigan united traction company. II Elec Ry J 41:122-3 Ja 18 '13
Northwestern Pennsylvania railway two-car train. II Elec Ry J 42:695 O 11 '13
Outside metal car roof. II Ry & Eng R 53:629 Je 28 '13
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Scale-testing car of the Bureau of standards. A. H. Emery, Jr. II Eng Rec 68:460 O 25 '13
Scale testing car, United States Bureau of standards. II plan Ry & Eng R 53:1098-9 N 29 '13
Scoop car for removing slides. II Ry Age 55:987-8 N 21 '13
Simple device for locking passenger car bodies to trucks. plan Eng N 69:187 Ja 23 '13
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South Fork-Portage center-entrance combination cars. II plan Elec Ry J 41:768 Ap 26 '13
Special convention car of the Bay state street railway. II Elec Ry J 42:784 O 15 '13
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See also Air brakes; Automobiles; Baggage and express cars; Car cleaning; Car couplings; Car houses; Car inspection; Car trucks; Car wheels; Derailments; Dining cars; Electric vehicles; Freight cars; Hospital cars; Mine cars; Motor cars (railroad); Oil delivery cars; Postal cars; Refrigerator cars; Sleeping cars; Street cars; also Association of transportation and car accounting officers

Heating

See Car heating

Lighting

See Car lighting

Repair

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See also Freight cars—Repair; Railroads—Maintenance and repair; Railroads—Shops

Trucks

See Car trucks

Ventilation

See Car ventilation

Wheels

See Car wheels

Cars (ballast)

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Cars (derrick)

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See also Wrecking cars

Cars, Electric. *See* Electric railroads; Motor cars (railroad)—Storage battery

Cars, Fire engine. *See* Fire engine cars

Cars, Inspection of. *See* Car inspection

Cars (line)

Emergency line cars for Milwaukee. II Elec Ry J 41:642 Ap 5 '13

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Cars, Mine. *See* Mine cars

Cars, Motor. *See* Motor cars (railroad)

Cars, Postal. *See* Postal cars

Cars, Steel

All-steel cars for the Union traction company of Indiana. II plans Elec Ry J 42:498-500 S 27 '13

All-steel passenger cars. Iron Tr R 52:922-3 Ap 17 '13

Cars, Steel—Continued.

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Cattle guards. See Railroads—Cattle guards**Caxton, William, 1422?-1491**

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Central power stations. See Electric plants—Central stations
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Centrifugal pumps. See Pumping machinery**Certified public accountants.** See Accountants, Public**Cesspools**

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*See also Graphology***Charging batteries.** See Storage batteries—Charging**Charging machines.** See Blast furnaces—Charging**Charters, Municipal.** See Municipal charters**Chassis.** See Automobiles—Chassis**Chattanooga, Tennessee**

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See also Chemical reaction
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See also Atomic weights; Metals; Transmutation of elements; also names of elements, e. g. Carbon
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- Chemical industries.** See Chemicals; Chemistry, Technical
- Chemical laboratories**
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- Chemistry**
See Alkalies; Assaying; Atomic theory; Atomic weights; Atoms; Chemical reaction; Chemicals; Colloids; Combustion; Crystallography; Electrochemistry; Electrolysis; Evaporation; Fire; Gases; Liquefaction of gases; Liquid air; Mineralogy; Molecules; Radioactivity; Solution (chemistry); Spectrum analysis; Transmutation of elements
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See also Carbon
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See also Acetylene; Alcohol, Denatured; Ammonia; Blast furnace gas; Boiler scale; Cement; Chemicals; Clay; Coke oven gas; Corrosion and anti-corrosives; Distillation; Electrochemistry; Explosives; Fuel; Gas; Glass manufacture; Ink; Leather; Metallurgy; Oils and fats; Paint; Paper; Petroleum; Rubber; Soda industry; Sugar; Textile industry and fabrics; Waste products; Wood distillation; Wood preservation
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Civil service commission
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Classified salary and wage budget estimates of Chicago for 1913. *Eng N* 69:401 *F* 27 '13
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Pier for the outer harbor at Chicago. *diags Eng N* 70:552-3 *S* 18 '13
Industries
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Lighting
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Parks
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Politics and government
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Chutes. See Flumes**Cigar-box factories**

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See also Briquets; Coal handling; Coal lands; Coal mines and mining; Coal preparation; Coal storage; Coal testing; Coal-ling stations; Coke; Fuel; Gas; Lignite
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Motor barges in the Alabama coal trade. Il plan Ry & Eng R 53:990-1 O 25 '13
See also Coal handling
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Improved pulverized fuel feed device. Il Iron Age 92:1024 N 6 '13
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Jeffrey-Drennen adjustable turret coal cutter. C. E. Warbom. Il Colliery 34:325-7 D '13
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Coal dust—Continued.

- Is anthracite dust explosive? Colliery 34:109-10 S '13
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Coal gas. See Coke-oven gas; Gas

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 Coal-handling plants for Panama. Eng Rec 68:428 O 18 '13
 Coal unloading machines at Fort William, Ont. R. D. Williams. Il plan Iron Tr R 53:577-80 O 2 '13
 Concrete coal pockets. Il Mines & Min 33:304-5 Ja '13
 Conveyor installation at Pacific Mills, South Lawrence, Mass. Il plan Iron Age 91:882-3 Ap 10 '13
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 New Canadian Pacific coal handling plant. Il plan Iron Age 91:192-5 Ja 16 '13
 New coal classification yards of the Philadelphia & Reading Ry. at St. Clair, Pa. J. S. Ward. Il maps Eng N 70:540-8 S 18 '13
 New coal handling bridge at Duluth, Minn. Il Ry Age 54:599-600 Mr 19 '13
 New coal handling plant at Fort William, Ont., Canadian Pacific Ry. Il Ry & Eng R 53:115-6 F 8 '13
 Pacific Mills coal- and ash-handling equipment, South Lawrence, Mass. Il Power 38:425-7 S 23 '13; Ind Eng 13:436-8 O '13
 Storing and rehandling anthracite under cover. W. E. Hamilton. plans Colliery 33:529-30 Ap '13
 Transfer of coal to and from ships. Il Int Marine Eng 18:390-2 S '13

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 Coal fields of Ohio. W. G. Burroughs. map Colliery 33:544-7 My '13
 Coal prospects in Matanuska field, Alaska. map Eng & Min J 96:1084 D 6 '13
 Development of Alaska coal lands. Colliery 33:534-5 My '13
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See also Coal mines and mining

Coal miners

- Bath house proposition. J. E. Butler. plan Colliery 33:481 Ap '13
 Connell colliery hospital. Il plan Colliery 34:201-6 N '13
 Examinations. Colliery 33:348 F '13
 Lunch house at Prospect colliery. Il plan Colliery 33:482-3 Ap '13

Welfare work at coal mines. Colliery 33:469 Ap '13

What the large anthracite companies have done. Colliery 34:132-3 O '13

See also Mine sanitation

Coal mines and mining

- Acadia coal company's steam-turbine plant; generating station for the mines at Stellarton, Nova Scotia, burning culm. Il Elec W 61:445-8 Mr 1 '13
 Amortizing and interest charges. L. C. Jones. Colliery 33:416-8 Mr '13
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 Gas power for collieries. S. F. Walker. Il diags Colliery 33:613-6 Je '13
 Ideal method of mining. J. C. Edwards and H. M. Gibb. diags Colliery 33:665-9 Jl '13
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 Machine mining in anthracite mines. H. Archbald. Il plan Colliery 33:471-6 Ap '13
 Madison coal corporation exhibition. Il plan Colliery 34:275-81 D '13
 Mining plant of the Petros coal co.; the gravity plane and five-car rotary dump. A. W. Evans. diag Colliery 34:151-2 O '13
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 Pumping through coal. Il Colliery 33:365 F '13
 Purchased power in coal mines. H. C. Eddy. Am Inst E E Pro 32:858-64 Ap '13; Discussion. 32:2206-13 D '13
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 Scientific management applied to coal mining. H. M. Payne. Colliery 33:701-2 Jl '13
 Short Mountain breaker. W. Z. Price. Il plan Colliery 34:267-70 D '13
 Waste in coal mining. Colliery 33:441-2 Mr '13
 Waste in mining. Colliery 33: 509 Ap '13

- Acidified.**
 -blast ovens for coke manufac-
 -turer, diags Iron Tr R 52:
 1412-5, 1455-7 Je 5-26 '13;
 Iron Age 91:1332-8, 1365-8 My 29-
 30 '13
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 -coke ovens. A. Rollason and A.
 -Eng N 46:434-6 D '13
 -blast in Koppers ovens at Eng-
 -plans Iron Tr R 53:161-9
 -products in coke manufac-
 -Hartman. Iron Tr R 52:799-
 -800 Ja '13
 -coke ovens. R. L. Streeter. II Eng
 -10 Ja '13
 -new Scotia new coke oven plant. F.
 -plans Iron Age 91:92-3 Ja 2 '13
 -the brick
- Admiration.**
 -nature and in science; extremes of
 -in cosmic space and in the
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 -heat. Sci Am 108:370 Ap 26 '13
 -Heat; Temperature
- Admiration.**
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- Admiration.**
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 -cold light. J. Boyer. II Sci Am
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- Admiration.**
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 -18
 -installation and operating costs
 -a combined ice-manufacturing and cold-
 -storage plant. R. H. Tait and L. C. Nord-
 -meyer. Power 38:606-8 O 28 '13
 -temperature of storage rooms. plan Power 37:
 745 My 27 '13
- Admiration.**
 -Refrigeration; Refrigerator cars
- Admiration.**
 -collapse of buildings. See Building failures
- Admiration.**
 -large arch-truss drill-hall, for university of
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 -out for new buildings of Massachusetts
 -institute of technology. Arch Rec 33:272-5
 -Mr '13
 -new engineering buildings at Minnesota. II
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 -See also Columbia university—Journalism
 -building; Massachusetts institute of tech-
 -nology
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 -college theses. See Engineering theses
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 -See also College architecture; College
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 23 '13
- Collisions (railroad).** See Railroads—Accidents
- Collisions at sea.**
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 -See also Salvage
- Colloids.**
 -Colloids and crystals. R. H. Bradbury. J Fr
 Inst 176:319-28 S '13; Same. Sci Am S 76:
 246-7 O 18 '13
- Cologne, Germany.**
 -Bridge over the Rhine at Cologne. C. J. Ka-
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 30 '13
- Colombia.**
 -Industries and resources
 -Gold placers of Antioquia. M. H. De Hora.
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- Colonial architecture.** See Architecture, Col-
 -onial
- Color.**
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 -Pierce. II Sci Am S 76:133-4 Ag 30 '13
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 F 22 '13
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 -ments. Elec W 62:1166 D 6 '13
 -See also Colorimeters; Paint; Pigments
- Color of flowers.**
 -Floral blue. P. Q. Keegan. Sci Am S 75:323
 My 24 '13
- Color photography.**
 -Marino system of color telephotography. II
 -Sci Am 108:272 Mr 22 '13
- Color printing.**
 -Milton A. McKee, inventor of McKee process.
 -S. H. Horgan. por Inland Ptr 51:749-50 Ag
 '13
 -Scientific accuracy and color. J. F. Earhart.
 -Inland Ptr 52:69-70 O '13
 -See also Color photography
- Colorado.**
 -Water-right controversy between Colorado
 -and Kansas. Eng Rec 67:395 Ap 12 '13
 -See also Railroads—Colorado
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 -map Ry Age 55:1058-9 D 5 '13
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- Colored moving pictures.** See Moving pictures,
 -Colored
- Colorimeters.**
 -New precision colorimeter. P. G. Nutting. II
 -U S Bur Stand Bul 9:1-5 Mr 15 '13
 -Quantitative spectrum analysis; colorimeters.
 -G. A. Shook. diags Met & Chem Eng 11:
 494-7 S '13
- Coloring of metals.** See Metal coloring
- Columbia university.**
 -Avery library
 -Design of the Avery architectural library. C.
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 -Notes on the collection of the Avery archi-
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 33:550-66 Je '13
 -Journalism building
 -Views and details of the Journalism building,
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- Columbian exposition, 1893.** See Chicago.
 -World's Columbian exposition, 1893
- Columbus, Ohio.**
 -Columbus flood-protection; recommendations
 -of the consulting hydraulic engineers. II Eng
 N 70:631-3 S 25 '13

Columbus, Ohio—Continued.**Flood, 1913**

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Columbus railway and light company

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See also Architecture; Orders of architecture; Strains and stresses

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See also Fire; Firing; Fuel; Heat; Mechanical draft; Smoke; Smoke prevention

Combustion, Spontaneous. See Spontaneous combustion**Comfort stations. See Public comfort stations****Commerce**

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See also Accounting; Advertising; Banks and banking; Bookkeeping; Business; Canals; Carriers; Commercial law; Contracts; Corporations; Credit; Foreign exchange; Freight; Government regulation of industry; Harbors; Interest; Manufactures; Packing for shipment; Ports; Profit sharing; Rail-

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See also Salesmen and salesmanship

Commission plan. See Municipal government—Commission plan**Commissions, Port. See Port commissions****Common carriers. See Carriers****Commonwealth Edison company**

Electric service in Chicago. II map Elec W 61:1137-45 My 31 '13

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See also Trusts

Competition, Engineering. See Engineering competition**Composition flooring: comparison of its most important characteristics with those of eighteen other materials. Eng Rec 68:635-6 D 6 '13****Compound words**

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Compressed air—Continued.

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- Air supply and the air receiver. F. Richards. plan Power 37:472-3 Ap 1 '13
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- Victoria Falls and Transvaal power co. in South Africa. map Power 38:355-8 S 9 '13
- See also Air compressors; Vacuum cleaning
- Compressed oxygen.** See Oxygen, Compressed
- Comptometer**
Making small parts on screw machines. II diag Iron Age 91:360-4 F 6 '13
- Computing.** See Calculating
- Comstock lode**
Mining on the Comstock lode. W. Symmes. map Eng & Min J 95:129-30 Ja 11 '13
- Concentration.** See Ore treatment—Concentration
- Concrete**
Action of acids, oils and fats on concrete. Eng N 69:504 Mr 13 '13
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Concrete—Testing—Continued.

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Concrete, Effect of sugar on

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Concrete, Effect of temperature on

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- Re-rolled steel rail reinforcing bars. W. K. Hatt. *Concrete Cem 3:10-1 J1 '13*

See also Concrete, Effect of electricity on; Concrete construction; Concrete slabs

Testing

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- Report of test of reinforced concrete column. *Il plan Concrete Cem 2:84 F '13*
- Shearing strength of joints between old and new concrete. *Il Eng Rec 67:500 My 3 '13*
- Test beam equipment. *Il plan Concrete Cem 2:81-3 F '13*
- Testing rig for full-size concrete bridge slabs. *Il Eng Rec 67:166 F 8 '13*
- Tests of concrete T-beams. *Eng Rec 67:356 Mr 29 '13*
- Tests of reinforced concrete buildings under load. *Concrete Cem 3:16-7 J1 '13*
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- Tests of reinforced-concrete wall and column footings. *Eng Rec 68:126-8 Ag 2 '13*

Concrete, Reinforced—Testing—Continued.

- Tests of the Norcross and mushroom flat slabs. Eng N 69:1139-40 My 29 '13
- Tests on concrete tile and joist construction. *Il* diags Concrete Cem 3: 82-3 Ag '13
- Tests vs. theory in reinforced-concrete flat slabs. W. A. Slater; A. C. Arend. Eng N 69:429-30 F 27 '13
- Concrete balusters.** See Balusters, Concrete
- Concrete barges.** See Barges, Concrete
- Concrete blocks**
- Cleveland tests of concrete block. Concrete Cem 8:26-7 J1 '13
- Concrete block. O. C. Herling. Concrete Cem 2:77 F '13
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- Concrete block—an architect's view. O. C. Herling. Concrete Cem 2:66 F '13
- Concrete block cottages built complete for \$1500 each. *Il* plans Concrete Cem 2:137-8 Mr '13
- Concrete products—architectural considerations. *Il* Concrete Cem 3:155-60 O '13
- Concrete products plant of J. F. Norris in Rochester; layout, equipment and methods. *Il* plan Concrete Cem 1:68-71 D '12
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- Development of concrete block. Concrete Cem 2:244-6 My '13
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- Spraying freshly made block. C. C. Thompson. Concrete Cem 2:25 Ja '13
- Wet process block machine. *Il* Concrete Cem 2:53-4 Ja '13
- Concrete boats.** See Boats, Concrete
- Concrete bridges.** See Bridges, Concrete
- Concrete buoys.** See Buoys, Concrete
- Concrete chimneys.** See Chimneys, Concrete
- Concrete churches.** See Churches, Concrete
- Concrete columns.** See Columns, Concrete
- Concrete construction**
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- Combination concrete and cast iron for columns and arch ribs. *Il* Eng N 70:864-5 O 30 '13
- Combined water tank and pumping station at Berlin, Ont. plan Eng Rec 67:126-7 F 1 '13
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- Concrete chimney construction. *Il* Eng M 44: 956-8 Mr '13
- Concrete coal sheds are durable and fire-proof. *Il* Concrete Cem 1:71 D '12
- Concrete construction in Dalton, Ga., water works. *Il* Munic Eng 45:266-7 S '13
- Concrete ice house for the Northern Pacific Ry. at Pasco, Wash. plans Ry & Eng R 53:905-6 S 27 '13
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- Concrete shaft station, Wolverine mine. C. T. Rice. plan Eng & Min J 96:397-9 Ag 30 '13
- Concrete slabs in levee construction. E. B. Murray. *Il* Concrete Cem 1:80-2 D '12
- Concrete station at Champion mine. plans Eng & Min J 96:641-2 O 4 '13
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- Constructing a ten-story concrete building, Long Island City, N. Y. *Il* Eng Rec 68:319-20 S 20 '13
- Construction of a model factory building. *Il* plans Concrete Cem 3:151-3 O '13
- Construction of an 8-story shop-building; Fisher building, Detroit. J. N. McMichaels. *Il* plans Concrete Cem 2:57-60 F '13
- Construction of small concrete ice-houses. *Il* Concrete Cem 3:36-7 J1 '13
- Contracting economics and administration. W. Sachs. Concrete Cem 3:257-9 D '13
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- Developments in unit construction. J. E. Conzelman. *Il* plans Concrete Cem 2:67-71 F '13
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- Economical concrete design: defense and explanation. E. Godfrey. Eng N 70:1251-2 D 13 '13
- Economical depth of T-beams. R. W. Stewart. Eng N 69:844-5 Ap 24 '13
- Economical design of steel girders embedded in concrete. G. Paaswell. Eng N 69:845 Ap 24 '13
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- Fastening machinery to concrete ceilings. R. Morley. Concrete Cem 2:288 Je '13
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- Grain elevator construction. R. P. Durham. Concrete Cem 2:41-3 Ja '13
- Half mile of concrete barracks. R. M. Beanfield. *Il* Concrete Cem 3:164-7 O '13
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- How-to-do-it information for farm work. Concrete Cem 3:36 J1 '13
- Importance of minor details. W. J. Bitterlick. Concrete Cem 1:59 D '12
- Industrial plant with all structures built of reinforced concrete; Barry-Wehmiller machinery co., St. Louis. W. J. Knight. *Il* plans Eng Rec 67:256-8 Mr 8 '13; Same cond. *Ind Eng* 13:188-9 Ap '13
- Inspection of reinforced concrete work in Los Angeles. H. Albright. Concrete Cem 2:235-6 My '13
- Keeping track of centering units. Concrete Cem 3:73-4 Ag '13
- Las Vegas arched masonry dam. *Il* Eng Rec 67:17 Ja 4 '13
- Lotus building at Memphis, Tenn. *Il* plan Concrete Cem 2:177-8 Ap '13
- Method of computing reinforced concrete T-beams. G. Hansen. Eng Rec 67:102 Ja 25 '13
- New campanile at Venice. Sci Am 108:152 F 15 '13
- New cement plant in Vancouver: concrete sheet piling and heavy construction at precipitous site. *Il* plan Eng Rec 68:123-4 Ag 2 '13
- Ornamental use of concrete in playground structures in Hoboken park. *Il* plans Concrete Cem 1:41-7 D '12
- Patents on concrete construction. C. A. P. Turner. Eng Rec 67:140 F 1 '13
- Patents relating to concrete construction. Eng Rec 67:69-70 Ja 18 '13

Concrete construction—Continued.

- Poured concrete buildings, D., L. & W. R. R. Nanticoke, Pa. *Il Ry & Eng R* 53:455-6 My 17 '13
- Rapid construction for U. S. light & heating co., at Niagara Falls. *Il Concrete Cem* 2:175-6 Ap '13
- Rapid execution of heavy foundation work. *Eng Rec* 67:606-7 My 31 '13
- Rebuilding Humboldt Bay, Cal. jetties. *Eng Rec* 68:464-5 O 25 '13
- Recessed steel panels as form units. *Il plan Concrete Cem* 2:250-1 My '13
- Reinforced-concrete beacon tower, Alexandria, Egypt. *Il plan Eng N* 69:730-2 Ap 10 '13
- Reinforced-concrete boat ways, Rockhaven harbor, N. D. S. R. Morrow. *Il Eng N* 70:645 O 2 '13
- Reinforced-concrete factory buildings. H. C. Spillman. *Il Ind Eng* 13:281-3 J1 '13
- Reinforced-concrete factory built under unusual conditions by Robbins & Myers co. at Springfield, O. N. D. Brainard. *Il plan Eng Rec* 67:410-1 Ap 12 '13
- Reinforced concrete gas tank holder in Spain. *Il Concrete Cem* 3:23-4 J1 '13
- Reinforced-concrete girders of unusual span. *Il diag Eng Rec* 68:503 N 1 '13
- Reinforced concrete in factory construction at Milton, N. H. *Il plans Concrete Cem* 3:3-6 J1 '13
- Reinforced-concrete ore docks. *Il Eng N* 69:8-12 Ja 2 '13
- Roof construction. *Il plan Concrete Cem* 2:47-9 Ja '13
- Safety in concrete construction. *Eng Rec* 67:112 Ja 25 '13
- Safety in concrete construction. F. E. Davidson; E. McCullough. *Eng Rec* 67:392 Ap 5 '13
- Safety in concrete construction. C. F. Lewis. *Eng Rec* 67:251-2 Mr 1 '13
- St. Louis filters. E. E. Wall. *Il Eng N* 70:1329-31 O 25 '13
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- Segmental chimney construction in France. plans Concrete Cem 2:32-5 Ja '13
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- Steel sheet piling as concrete centering. *Il plan Concrete Cem* 3:88-9 Ag '13
- Tannery buildings in reinforced concrete for American hide and leather co., Lowell, Mass. *Il Concrete Cem* 2:171-2 Ap '13
- Test of pressure of wet concrete. E. B. Germain. *Il Eng N* 70:294-5 Ag 14 '13; *Concrete Cem* 3:187-8 O '13
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- Through fire and flood at Dayton. W. W. Smith. *Il Concrete Cem* 3:65-6 Ag '13
- Time record in building. *Il Concrete Cem* 1:93-5 D '12
- Two methods of treating concrete and reinforced concrete. *Concrete Cem* 1:82 D '12
- Unit structural concrete. C. D. Watson. *Il Eng M* 45:106-8 Ap '13
- Using light lumber for beam and girder sides. *diag Concrete Cem* 3:212 N '13
- Wrapping I-beams. *Concrete Cem* 2:237 My '13
- See also* Bridges, Concrete; Chimneys, Concrete; Columns, Concrete; Concrete, Reinforced; Concrete houses; Concrete lining; Dams, Concrete; Domes; Fireproof construction; Floors, Concrete; Stairways, Concrete; Walls, Concrete; Water towers, Concrete; also Catskill aqueduct

Accounting

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Failures

- Building failure due to workmanship. plan *Concrete Cem* 1:99-100 D '12
- Causes of collapse of Stark-Lyman concrete building in Cedar Rapids. C. A. P. Turner. *Eng Rec* 68:714-5 D 27 '13
- Collapse of a reinforced-concrete frame in a building, Vancouver, B. C. A. P. Hueckel. *Il plan Eng N* 70:290-1 Ag 14 '13
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- Collapse of seven-story Stark-Lyman building at Cedar Rapids. *Il Eng Rec* 68:sup 51-2, 598-9 N 22-29 '13
- Concrete building disaster in Cedar Rapids, Ia. *Il Concrete Cem* 3:283-5 D '13
- Concrete floor failure in Detroit. E. H. Owen. *plan Eng Rec* 67:165-6 F 8 '13
- Dangers of concrete construction. *Mach* 19:502 Mr '13
- Failure of a reinforced-concrete building, Detroit, Mich. *Il Eng N* 69:86-7 Ja 9 '13
- Failure of groined arches at Baltimore's new water-filtration plant. J. W. Armstrong. *Il Eng Rec* 68:538-40 N 15 '13
- Failure of partially constructed groined arch roof, Baltimore. E. B. Whitman. *Il plans Eng N* 70:1100-4 N 27 '13
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- Frost damage to Montreal filters. F. E. Field. *Il diags Eng Rec* 68:566-9 N 22 '13
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- Grain elevator subsidence at Transcona. *Il Concrete Cem* 3:259-60 D '13
- Threatened collapse of leaning grain elevator at Winnipeg. *Il Eng Rec* 68:sup 45-6 N 1 '13
- Concrete fence posts. *See* Fence posts, Concrete
- Concrete fords. *See* Fords, Concrete
- Concrete guard rails. *See* Guard rails, Concrete
- Concrete houses**
- Attractive dwellings near Pittsburgh. *Il plans Concrete Cem* 1:57-9 D '12
- Building a concrete residence on hillside. A. M. Smith. *Il plan Concrete Cem* 2:134-5 Mr '13
- Concrete and plaster houses built on Mojave desert. *Il Concrete Cem* 3:25 J1 '13
- Concrete block cottages built complete for \$1500 each. *Il plans Concrete Cem* 2:137-8 Mr '13
- Concrete block cottages built in England. *Il plan Concrete Cem* 2:73 F '13
- Concrete home of unique design. *Il Concrete Cem* 2:263-4 Je '13
- Concrete homes for mine workers. *Il plan Concrete Cem* 2:173-4 Ap '13
- Cost of industrial cottages in England. *Il Concrete Cem* 2:144-5 Mr '13
- Double concrete walls with tile columns. *Il Concrete Cem* 2:135-6 Mr '13
- Double walls and tile columns in residence construction. *Il plan Concrete Cem* 2:218-20 My '13
- Fireproof houses on western plains. *Il Concrete Cem* 2:115-6 Mr '13
- Garden apartments of California: Irving J. Gill, architect. E. M. Roorbach. *Il plan Arch Rec* 34:520-30 D '13
- House built of concrete—to resist fire attack. *Il Concrete Cem* 2:143-4 Mr '13
- House of concrete block, attractive as to color and texture. *Il plan Concrete Cem* 2:297-8 Je '13
- Poured concrete houses in France. *Il Concrete Cem* 2:209-12 My '13

Concrete houses—Continued.

- Reinforced concrete Whitehall tenement building, Providence, R. I. plan Eng Rec 67:158-9 F 8 '13
 Steel forms for concrete cottage construction. Concrete Cem 2:23 Ja '13
 Suggestion for poured concrete house. II plan Concrete Cem 1:63 D '12
 Suggestion for poured concrete house to cost \$3,000. plan Concrete Cem 2:80 F '13
 Three-story tenement built with wall machines. II Concrete Cem 2:43-4 Ja '13

See also Roofs, Concrete

Concrete lining

- Concrete lining of the Kingdon shaft, Globe, Ariz. diags Eng & Min J 95:177-9 Ja 18 '13
 Concreting a tunnel by compressed air. A. C. Everham. plans Eng N 70:208-9 J1 31 '13
 Concreting the Harlem river subway tunnel. II Eng Rec 68:404 O 11 '13
 Concreting the Sarles tunnel of the Catskill aqueduct. II Eng Rec 68:428-9 O 18 '13
 Sinking a concrete pit lining through clay and quicksand. II plan Eng Rec 67:97 Ja 25 '13

Concrete mixers

- Badger concrete mixer. II Munic Eng 44:271-2 Mr '13
 Hand-operated concrete mixer. II Elec Ry J 41:729 Ap 19 '13
 Mixer with a stationary drum. II Concrete Cem 2:94 F '13
 Test of a pneumatic concrete mixer. II Eng Rec 67:sup 42 Mr 8 '13

Concrete mixing

- Cost of machine concrete mixing compared with hand mixing. Munic Eng 44:239-41 Mr '13
 Mixing concrete in winter months. Munic Eng 44:243 Mr '13
 Mixing of concrete. II Munic Eng 45:490 N '13
 Concrete pavements. See Pavements, Concrete

Concrete piling

- Aids to navigation on the Missouri river. F. C. Perkins. II Sci Am S 75:100-1 F 15 '13
 Building piers 30 and 32 at San Francisco. II Eng Rec 68:633-4 D 6 '13
 Cast-in-place concrete piles. R. Irvin. II Eng Rec 67:591-2 My 24 '13
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Concrete poles. See Poles, Concrete**Concrete products**

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See also Concrete plants

Concrete reservoirs. See Reservoirs, Concrete**Concrete retaining walls.** See Retaining walls, Concrete.**Concrete roads.** See Roads, Concrete**Concrete sidewalks.** See Sidewalks, Concrete**Concrete silos.** See Silos, Concrete**Concrete slabs**

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Concrete stairways. See Stairways, Concrete**Concrete testing.** See Concrete—Testing; Concrete, Reinforced—Testing**Concrete tile**

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Concrete troughs. See Troughs, Concrete**Concrete water towers.** See Water towers, Concrete**Condemnation of property**

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Constants. *See* Units**Construction.** *See* Engineering**Construction camps**

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See also Mining camps

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Controllers, Electric. See Electric controllers**Conventions**

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Converters (electricity). See Electric current converters**Converters (foundry)**

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Converters, Rotary. See Rotary converters**Conveying machinery**

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Conveyors. See Conveying machinery**Convict labor**

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Cookery, Electric. See Electric cookery**Cooling**

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Cooling towers—Continued.

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See also Condensers (steam)

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See Accounting

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See also Car couplings
- Court houses**
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See also Cars (derrick); Hoisting machinery
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 Drilling a crankcase in seven minutes. II Automobile 29:232 Ag 7 '13
 Molding large crank cases. II Foundry 41:151 Ap '13
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- Crawfish**
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Currents. *See Winds*

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See also Motor cycle trucks

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Cylinder-packing. See Packing

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See also Personal injuries; Workmen's compensation

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- See also Cofferdams; Dam failures; Hydraulic engineering; Irrigation; Reservoirs; Spillways; also Arrowrock dam; Assuan dam
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- Construction features of the Elephant Butte dam, U. S. reclamation service. plan Eng N 69:120-2 Ja 16 '13
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- Reinforced-concrete dam that has safely passed its second flood, Akron, O. J. C. Lathrop. II Eng N 69:919 My 1 '13
- Resistance of Salt river gravity-section concrete dam against erosive force of stream heavily laden with sand and silt. A. L. Harris. II Eng Rec 68:541-2 N 15 '13
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- Davenport, Iowa**
- Streets**
- Concrete pavement in Davenport and vicinity. A. M. Compton. Concrete Cem 1:78-80 D '12
- Davits**
- New davits for lifeboats; characteristics of the Babcock and Wilcox boat-lowering gear. II Eng M 46:124-6 O '13
- Day, John, 1522-1584**
- Printers of note. W. C. Bleloch. Inland Ptr 52:218-9 N '13
- Daylight, Artificial**
- Artificial daylight for color matching. R. F. Pierce. II Sci Am S 76:133-4 Ag 30 '13
- Dayton, Ohio**
- Flood, 1913**
- Dayton after the flood. II map Eng N 69:865-7 Ap 24 '13
- Dayton flood. II Eng Rec 67:376 Ap 5 '13
- Emergency sanitation work. C. F. Long. Eng Rec 67:448 Ap 19 '13
- Flood devastation. map Eng Rec 67:403-4 Ap 12 '13
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- Politics and government**
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- Deaf and dumb**
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- Deaf mutes.** See Deaf and dumb
- Deafness**
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See also Diesel locomotives

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See also Levees

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See also Plumbing

Drainage congress, National. See National drainage congress**Drawbridges**

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Drill halls. *See* Armories

Drill jigs. *See* Jigs

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See also Machine shop practice

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Drop forging. *See* Forging

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Dunes. *See* Sand dunes

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See also Explosives

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See also Automobiles—Electric equipment; Commutators; Electric motors; Phase advancers

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See also Business; Cooperation; Cost; Cost of living; Distribution (economics); Government regulation of industry; Industry; Labor and laboring classes; Strikes; Tariff; Taxation; Wages

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Education, Classical. See Classical education**Education, Cooperation in. See Cooperation in education****Education, Technical. See Technical education****Education for business. See Business, Education for****Education of employees. L. Galloway. J Account**

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Refrigeration and central-station service. *Elec W* 62:848 O 25 '13

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Transmission-line service to central Kentucky towns. *Il Elec W* 62:1208-9 D 13 '13

Triumph in central-station diplomacy. *Elec W* 62:1324-5 D 27 '13

Unified public utilities in central Illinois. *Il map Elec W* 61:1146-56 My 31 '13

Value of the lighting engineer to the central station. F. H. M. Riley. *Il Elec W* 61:407-8 F 22 '13

See also Electric power—Rates; Electricity in mining; Ice—Manufacture

Damages from floods, etc.

Bright lining of the flood cloud. *Elec W* 61:1092 My 24 '13

Damage by floods to electrical properties. *Il Elec W* 61:700-10 Ap 5 '13

Flood damage to electrical interests in Ohio. *Elec W* 61:766-7 Ap 12 '13

Restoring submerged electrical apparatus to service after flood. G. H. Morse. *Il Elec W* 61:839-40 Ap 19 '13

Signals

Power plant signals a general electric novelty. *Elec Ry J* 42:736 O 14 '13

Signal system. W. R. Davis. *plan Power* 37:152 F 4 '13

Switchboard signaling in the world's largest power station, Keokuk, Ia. *Elec W* 62:444 Ag 30 '13; *Power* 38:330 S 2 '13

Substations

Attendantless rotary-converter substation at Detroit. *Il Elec W* 61:1422-4 Je 28 '13

Automatic substations. H. R. Summerhayes. *Il Am Inst E E Pro* 32:1236-50 Je '13; Discussion. 32:2266-71 D '13

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Combined synchronous and induction motor loads. H. L. Wallau. *Elec W* 62:1057-9 N 22 '13

Converting substations in basements and sub-basements. B. G. Jamieson. *Il Am Inst E E Pro* 32:1606-19 Jl '13; Discussion. 32:2266-71 D '13

Experience in substation wiring. T. G. Thurston. *diags Power* 37:297-8 Mr 4 '13

Harding avenue substation accident. *Elec W* 62:1068 N 22 '13

Industrial substations. *Elec W* 62:781-2 O 18 '13

Industrial substations. H. P. Liversidge. *Il plans Am Inst E E Pro* 32:1950-70 O '13

Latest addition to Fisk street station. *diags Power* 38:668-70 N 11 '13

Electric plants—Substations—Continued.

- Modern substation in the Coeur d'Alene mining district. J. B. Flisken. *Il plan Am Inst E E Pro 32:1770-82 S '13*
 Receiving substation at St. Louis. *Il plan Elec W 61:1169-70 My 31 '13*
 Substation of Stockholm municipal system. E. Andreason. *Il plan Elec W 61:1305-8 Je 14 '13*
See also Electric railroads—Substations

Electric plants, Municipal

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 Bond issue for Los Angeles municipal distribution system defeated. *Elec W 61:867-8 Ap 26 '13*
 Cleveland municipal electric plants. A. D. Williams. *Il map Power 38:740-2 N 25 '13*
 Cost figures from Brookings. S. D. E. M. Soreng. *Il Elec W 62:1321 D 27 '13*
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 Massachusetts commission. *Elec W 61:1303 Je 14 '13*
 Municipal electric light for Cleveland, Ohio. *Munic Eng 45:262-4 S '13*
 Municipal light and water plant at Fremont, Neb. H. J. Bremers, Jr. *Il Munic Eng 45:119-21 Ag '13*
 Municipal lighting plant at Seattle, Wash. J. D. Ross. *Il diag Munic Eng 45:464-7 N '13*
 Municipal lighting plant cost. *Munic Eng 44:105 F '13*
 Municipal lighting plant of Troy, Ohio. L. A. Pool. *Il Munic Eng 44:197-201 Mr '13*
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 Record of Pasadena's municipal plant. Power 38:626-7 O 28 '13
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 Electric power for quarries, gravel plants and contract work. *Eng N 69:1274-5 Je 19 '13*
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 Electric power in foundry operations. H. F. Stratton. *Il Foundry 41:407-15 O '13*; Same. *Iron Tr R 53:917-24, 941 N 20 '13*
 Electric service in connection with the Cape Cod canal. *Il Elec W 62:376-8 Ag 23 '13*
 Logging by electricity. E. J. Barry. *Il Am Inst E E Pro 32:1764-8 S '13*
See also Electric driving; Electric equipment; Electric motors; Electric plants; Electric transmission; Hydroelectric power; Myrlawatt; also New York conservation commission

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- Analysis of kilowatt-hour costs of combination system. *Elec W 62:238 Ag 2 '13*
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 Electric power costs at El Tigre. *Eng & Min J 95:523-4 Mr 8 '13*

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 Operating data of a large railway power plant, Minneapolis, Minn. *Il Elec W 62:1049-54 N 22 '13*
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 Relation of plant size to power cost. P. M. Lincoln. *Am Inst E E Pro 32:1936-48 O '13*
 Variation of energy cost with plant size. *Elec W 62:782-3 O 18 '13*
See also Electric lighting—Cost; Power cost

Rates

- Cambridge, Mass. central-station practice. *Il Elec W 61:876-7 Ap 26 '13*
 Central power station rates. Power 38:371 S 9 '13
 Charging for electric current. G. E. Miles. Power 37:831-2 Je 10 '13
 Coeur d'Alene power-rates case. *Eng & Min J 96:679 O 11 '13*
 Contracts for purchased power. *Elec Ry J 42:1178-81 D 6 '13*
 Hartford, Conn., central-station developments. *Il Elec W 62:473-6 S 6 '13*
 Louis D. Brandeis on central-station rates. Power 38:380-1 S 9 '13
 Massachusetts commission. *Elec W 61:1303 Je 14 '13*
 Mining loads for central stations. W. Sykes and G. Bright. *Am Inst E E Pro 32:1006-14 My '13*
 Public service commission acts in landlord and tenant case. Power 38:416-7 S 16 '13
 Purchased power in New York state. *Elec Ry J 41:1016-8 Je 7 '13*
 Rate schedules from the customer's standpoint. *Elec W 61:49-50 Ja 4 '13*
 Rates for electric service. L. H. Conklin. *Elec W 62:1167 D 6 '13*
 Rates for electric service. S. M. Kennedy. *Elec W 62:1066-7 N 22 '13*
 Rates for electricity. H. D. Jackson. *Eng M 44:326-34 D '12*
 Rates for electricity. P. R. Moses. *Elec W 62:853-5 O 25 '13*
 Record of Pasadena's municipal plant. Power 38:626-7 O 28 '13
 Securing full-schedule business from breakdown prospects. *Elec W 61:832 Ap 19 '13*
 Theoretical basis of the multiple-rate system. *Elec W 61:1070-1 My 24 '13*
 Theoretical basis of the multiple-rate system. H. E. Elsenmenger. *Elec W 61:1085-91 My 24 '13*
 Two-rate schedule without time-operated control. H. H. Perry. *diags Elec W 62:1173-4 D 6 '13*

Electric power, Sale of. *See Electric plants—Central stations—Management*

Electric power for mines. *See Electricity in mining*

Electric power plants. *See Electric plants*

Electric power transmission. *See Electric transmission*

Electric protective apparatus

- Fire hazard in turbo-generators. *Elec W 62:1200-1 D 13 '13*
 Fire hazard in turbo-generators. G. S. Lawler. *Am Soc M E J 35:1093-7 Jl '13*; Same cond. Power 38:890 D 23 '13
 Inspection pit safety device. *Il plan Elec Ry J 42:1097 N 22 '13*
 Protection of high-tension circuits and apparatus. *Elec Ry J 41:963 My 31 '13*
 Protection of workmen at Southern Pacific electric shops, Oakland, Cal. *diag Elec Ry J 42:1144 N 29 '13*
 Protective relays. H. R. Stickney. *plan Power 37:150 F 4 '13*
 Safety measures adopted by Public service commission for First district of New York. *Elec Ry J 41:821-2 My 3 '13*; Same. *Elec W 61:975-6 My 10 '13*; Same. *Eng N 69:1131-2 My 29 '13*
See also Lightning arresters

Electric railroads

- Annual convention of the American electric railway and allied associations. *Eng N 70:837-42 O 23 '13*

Electric railroads—Continued.

- Central electric railway assn.; proceedings of annual meeting, 1913, abstracts of papers and reports on car equipment maintenance, fare registration, coupler installation, interline freight, etc. Elec Ry J 41:370-80 Mr 1 '13
- Choice of gear ratio. Elec Ry J 42:270-1 Ag 16 '13
- Electric railway developments. H: M. Hobart. Elec W 61:26-7 Ja 4 '13
- Electric railways in 1912. Elec R & W Elec'n 62:10-1 Ja 4 '13
- France to England by tunnel: proposed electric railway scheme. map Eng M 46:446-8 D '13
- Gisbert Kapp on progress in heavy electric traction. Elec Ry J 42:425-6 S 13 '13
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See also Car houses; Cars; Cars (line); Electric lines; Electric locomotives; Electric motors; Railway; Electric railway mail service; Interurban railroads; Railroads—Electrification; Rapid transit; Street cars; Street railroads; Suspended railroads; Trackless trolleys

Accidents

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- Hearing concerning protection of employees on New Haven. Elec Ry J 42:459 S 20 '13
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- Safety campaign on the Wabash valley lines. Elec Ry J 41:432 Mr 8 '13
- Trespassing problem. Elec Ry J 42:960-1 N 1 '13

See also Street railroads—Accidents

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- Statistical units used in analysis of electric railway accounts. J. A. Emery. Elec Ry J 42:815-7 O 16 '13
- Unit cost work order system. G. W. Kalweit. Elec Ry J 42:765-7 O 15 '13

Auditing

- Voucher indexing simplified. G. L. Ford. Elec Ry J 41:1167-8 Je 28 '13

Buildings

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- Decorative treatment of railway buildings. Elec Ry J 41:96 Ja 18 '13
- Westchester electric railway building for employees, Mount Vernon, N. Y. II plan Elec Ry J 42:971-2 N 1 '13

See also Car houses; Electric railroads—Shops; Electric railroads—Stations

Car houses

See Car houses

Cars

See Cars; Electric motors, Railway; Motor cars (railroad); Street cars

Construction

- Berkshire street railway—recent improvements. II plans Elec Ry J 42:1170-7, 1270-4 D 6, 20 '13
- Building a 1200-volt electric railway: Kansas City, Clay county & St. Joseph Ry. R. P. Woods. II plan map Eng N 70:688-94 O 9 '13
- Catenary construction of the Pacific electric railway of Los Angeles. II plan Elec Ry J 41:755 Ap 28 '13
- Catenary construction on cut-off of Northern Ohio & traction light company. II Elec Ry J 42:983 N 1 '13
- Corrugation of electric railway rails. A. Busse. Eng M 44:254-6 N '12
- Electric railway construction in Paris. II plans Elec Ry J 42:648-9 O 4 '13
- Electric railway in the French Pyrénées; double-current generators. II Elec W 61:509-11 Mr 8 '13
- Hamburg subway and elevated railway. II map Elec Ry J 41:415-9 Mr 8 '13
- Kansas City, Clay county & St. Joseph railway. II plans map Elec Ry J 42:212-21 Ag 9 '13
- New 40-mile extension of the Waterloo, Cedar Falls & Northern railway. II plans Elec Ry J 42:99-102 J1 19 '13
- Oakland, Antioch & Eastern Ry. II plan Ry & Eng R 53:995-6 O 25 '13
- Portland, Eugene & Eastern construction. II map Ry Age 55:453-4 S 12 '13
- Proper location for trolley wire on curves and corresponding location of overhead frogs. J. H. Barnard. diag Elec Ry J 41:1155-7 Je 28 '13
- Recent improvements on the Boston elevated system. II plans Elec Ry J 41:358-65, 408-14 Mr 1-8 '13
- Specifications for overhead trolley construction. diags Elec Ry J 42:883-8 O 18 '13

Electric railroads—Construction—Continued.

Specifications for 600-volt direct current overhead trolley construction. diags Ry & Eng R 53:1202-4 D 27 '13

Supporting an electric railroad on the edge of a side hill. W. L. Webb. II plan Eng N 69:242-3 F 6 '13

Third-rail and overhead clearances. plan Elec Ry J 41:935-6 My 24 '13

Washington & Old Dominion railway. W. N. Smith. II map plan Elec Ry J 41:534-41 Mr 22 '13

Way and buildings. Elec Ry J 41:5-6 Ja 4 '13

Way construction of the Connecticut company. II maps diags Elec Ry J 42:328-35 Ag 30 '13

Westchester railway electric traction. II diags Eng N 69:1208-17 Je 12 '13

See also Electric railroads—Track; Electric railroads—Wires and wiring; Poles; Street railroads—Track

Cost of operation

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Effect of load factor on cost of electric railway passenger service. C. N. Duffy. Elec Ry J 41:195-6 F 1 '13

Damages from floods, etc.

Additional reports from the recent floods. II Elec Ry J 41:679-83 Ap 12 '13

Effect of the flood on the Ohio electric railway. II Elec Ry J 41:724-5 Ap 19 '13

Flood in the middle West. II Elec Ry J 41:624-38 Ap 5 '13

Employees

Instruction methods at Rochester, N. Y. Elec Ry J 42:1336 D 27 '13

Instruction of trainmen on the Houston electric. II Elec Ry J 42:488-90 S 27 '13

Pension system announced by San Francisco-Oakland terminal railways. Elec Ry J 41:47-8 Ja 4 '13

School for trainmen at Buffalo. plan Elec Ry J 42:1236-7 D 13 '13

System of disciplining trainmen and recording turn-ins at Muskogee, Okla. Elec Ry J 42:1332-3 D 27 '13

Westchester electric railway building for employees, Mount Vernon, N. Y. II plan Elec Ry J 42:971-2 N 1 '13

See also Street railroads—Employees

Equipment and supplies

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Brooklyn motor, truck and brakeshoe improvements. II Elec Ry J 41:98-103 Ja 18 '13

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Equipment trusts for electric railways. Elec Ry J 41:541-2 Mr 22 '13

Exhibits at the Am. electric railway assn. convention. Elec Ry J 42:744-50 O 14 '13

Experiences with boltless guy clamps. II Elec Ry J 41:860 My 10 '13

Labeling equipment. Elec Ry J 41:790 My 3 '13

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Resistors for street railway service. F. W. Harris. Elec Ry J 41:756 Ap 26 '13

Single-phase railway motors. L. Bell. diags Elec Ry J 41:1003-5 Je 7 '13

See also Cars; Electric motors, Railway; Electric railroads—Records; Poles, Concrete

Fares

Fare accounting: symposium. Elec Ry J 42:582-7 O 4 '13

Hamburg elevated & subway system. II plan Elec Ry J 42:177-80 Ag 2 '13

Increase in fare ordered by New Jersey commission. Elec Ry J 41:324-5 F 22 '13

Low rates of fare versus efficiency of service. Elec Ry J 41:779 Ap 26 '13

See also Street railroads—Fares

Finance

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Municipal railway line in Seattle. map Elec Ry J 41:753-4 Ap 26 '13

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See also Electric railroads—Cost of operation; Electric railroads—Fares; Street railroads—Finance

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Report of the standing freight committee, Central electric railway accountants' assn. L. T. Hixson and others. Elec Ry J 42:28-9 J 5 '13

Transportation of freight. II Elec Ry J 42:588-606 O 4 '13

Insurance

American electric railway engineering association: report of committee on insurance. Elec Ry J 42:803-4 O 16 '13

Law

Am. electric railway assn.: report of committee on federal relations. Elec Ry J 42:872-3 O 17 '13

Electrolysis clauses of Chicago street-car ordinance. Eng Rec 68:642 D 6 '13

Legislation affecting electric railways. Elec Ry J 41: 226-7 F 1 '13

Proposed modification of drastic Chicago electrolysis ordinance. Elec Ry J 42:966-7 N 1 '13

Maintenance and repairs

Electric arc welding on the Pacific coast. II Elec Ry J 41:67-70 Ja 11 '13

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Electric railroads—Maintenance—Continued.

Maintenance notes from **United railways & electric co.**, Baltimore. *Il Elec Ry J 41:293-4 F 15 '13*

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Norfolk, Va.—scientific design of carhouses and shops. C. A. Neff and T. P. Thompson. *Il plans Eng Rec 67:284-7 Mr 15 '13; Same. Elec Ry J 41:490-6 Mr 15 '13*

Rolling stock maintenance in Buffalo. *Il Elec Ry J 41:922-4 My 24 '13*

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Standardization on the Michigan united traction; organization and methods employed in rehabilitating track and roadway. *Il plan Elec Ry J 41:475-9 Mr 15 '13*
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Track and overhead maintenance on the Beebe lines. *Elec Ry J 42:70 J1 12 '13*

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See also Electric railroads—Shops

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See also Electric railroads—Records; Electric railroads—Shops; Street railroads—Management

Motors

See Electric motors, Railway

Periodicals

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Central-station energy for Chicago railways: terms of contracts between the Commonwealth Edison company and the surface and elevated lines of Chicago. *Elec W 62:1110-1 N 29 '13*

Contracts for purchased power. *Elec Ry J 42:1178-81 D 6 '13*

Gary & Interurban railway co's quick change-over from 12,000 volts to 33,000 volts. *Il Elec W 62:387-8 Ag 23 '13*

Hydroelectric energy of Worcester railway system. *Elec W 62:685-8, 737-40 O 4-11 '13*

New railway power contracts in Chicago. *Elec Ry J 42:1138-9 N 29 '13*

Niagara power for the International railway company. *diag Elec Ry J 42:420-2 S 13 '13*
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Power plants

See Electric plants—Central stations

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See also Car houses

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Canada

Statistics of Canadian electric railways. Elec Ry J 41:224 F 1 '13

Connecticut

Traffic improvements of the Connecticut company. *Il* map Elec Ry J 42:252-60 Ag 16 '13

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 Hamburg subway and elevated railway. II map Elec Ry J 41:415-9; 42:177-80 Mr 8, Ag 2 '13
 Rhine high-tension direct-current railways. II map Elec Ry J 42:962-6 N 1 '13

Holland

- New high-tension direct-current railway for Holland. map Elec Ry J 42:373 S 6 '13

Italy

- Lötschberg railway in Switzerland and the older Lecco-Colico line in northern Italy. L. Bell. II Elec Ry J 42:374-6 S 6 '13

Massachusetts

- Vitalizing influence of the electric railways. Elec Ry J 41:406 Mr 8 '13

New Jersey

- Newark-Trenton high-speed line. II map Elec Ry J 42:455-9 S 20 '13

New York

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 Westchester railway lines and structures. II map Eng N 69:1153-7 Je 5 '13

Norway

- Rjukan railway. II Elec Ry J 42:646-7 O 4 '13

Oregon

- Oregon electric railway with observation and sleeping cars. II map Elec Ry J 41:1050-6 Je 14 '13

Philadelphia

- Rapid transit report on Philadelphia. map Elec Ry J 42:222-4 Ag 9 '13

Providence, R. I.

- Recent improvements in the electric railway system of Providence, R. I. II plan Elec Ry J 42:56-62 Ji 12 '13

South Africa

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Spain

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Switzerland

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See also Railroads, Industrial

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Electric shocks. See Electricity, Injuries from**Electric shops**

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See also Automobiles—Electric equipment; Automobiles—Starting devices; Electric motors—Starting devices

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Forge work. See Forging

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Formulas. See Engineering—Formulas; Mathematics—Formulas

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Foundations—Continued.

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See also Bridges—Foundations and piers; Caissons; Cofferdams; Compressed air; Earthwork; Foundation soils; Grouting; Piles and pile driving; Shoring and underpinning

Founders' association. *See* National founders' association

Founding. *See* Brass founding; Copper founding; Foundry practice; Iron founding; Molding machines

Foundries

- Addition to a Hamilton, Ohio, foundry. *Il Iron Age* 92:774-5 O 9 '13
- Canadian plant for producing steel castings, Hamilton, Ont. *Il plan Iron Tr R* 52:157-8 Ja 9 '13; *Same.* *Foundry* 41:67-8 F '13
- Canadian railroad foundry at Transcona, Man. *plan Foundry* 41:236-8 Je '13
- Combination brass, iron and steel foundry: the Delaware & Hudson at Watervliet, N. Y. *Il Ry Age* 55:467-9 S 12 '13
- Does it sound like a molder's dream? P. Dwyer. *Foundry* 41:19-20 Ja '13
- Emerson-Brantingham co., Rockford, Ill.—model plant for making implement castings. *Il plans Iron Tr R* 52:1067-73 My 8 '13; *Same.* *Foundry* 41:175-82 My '13
- Fan heating systems for foundries. W. H. Carrier. *plans Heat & Ven* 10:26-31 Ja '13
- Few observations by a veteran molder. E. C. Askem. *Foundry* 41:359-60 S '13
- Fire hazard and fire prevention in foundries. *Foundry* 41:51-3 F '13
- Foundry specializing in motor car castings: aluminum and brass shop of the Willys-Overland co. *Il plan Foundry* 41:537-42 D '13
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- Heat and ventilation in a large foundry; International harvester co.'s plant, Springfield, O. *Il diag Iron Age* 91:415-7 F 13 '13
- Improvements at the plant of the Falk co., Milwaukee. *Il plans Foundry* 41:325-30 Ag '13; *Same.* *Iron Tr R* 52:1449-54 Je 26 '13
- Increasing the output while rebuilding a shop: Canadian locomotive co., Kingston, Ont. *Il plans Foundry* 41:365-9 S '13
- Latter-day stove shop; I. A. Sheppard & co.'s plant, Philadelphia. E. C. Kreutzberg. *Il plan Foundry* 41:423-33 O '13
- Making of soil pipe as a plumber saw it. *Il Dom Eng* 64:34-6 Jl 12 '13
- Model automobile foundry: Willys-Overland co., Toledo, O. *Il plan Metal Ind n s* 11:475-6 N '13
- Modern aluminum and brass foundry: United foundry and machine co.'s works, Bridgeport, Conn. *Il plan Iron Age* 92:784-6 O 9 '13
- New foundry of the Canadian locomotive co. C. A. Tupper. *Il plans Iron Tr R* 53:503-7 S 18 '13
- New stove foundry at Chicago; plant of Cribben & Sexton co. *Il Iron Age* 91:74-6 Ja 2 '13
- Relation of foundry floor space to output. *plan Foundry* 41:201-4 My '13
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- Tonnage per square foot of foundry area. *Foundry* 41:96 Mr '13

See also Brass foundries; Foundry accounting; Foundry management; Foundry practice

Accidents

- How molders can be safeguarded from injury. *Foundry* 41:551 D '13
- Prevention of accidents in the foundry. A. E. Outerbridge, Jr. *Il Iron Age* 92:772-4 O 9 '13

Equipment and supplies

- Efficient foundry sand-handling plant installed in the Hart-Parr co.'s foundry. *Il Foundry* 41:21-6 Ja '13
- Electric power in foundry operations. H. F. Stratton. *Il Iron Tr R* 53:917-24, 941 N 20 '13; *Same.* *Foundry* 41:407-15 O '13
- Equipment for the foundry and pattern shop. *Il Foundry* 41:81-3 F '13
- Foundry notable for transporting devices: J. I. Case threshing machine co. *Il plan Iron Age* 92:769-71 O 9 '13
- How a light work gray iron shop is equipped. *Il plan Iron Tr R* 53:621-3 O 9 '13
- How a modern railroad foundry is equipped: Delaware & Hudson co., Watervliet, N. Y. E. Kreutzberg. *Il plan Foundry* 41:343-8 S '13

See also Converters (foundry); Foundries—Exhibitions; Foundry machinery; Molding machines; Molding sand

Exhibitions

- Exhibitors, what they exhibited and their opinions regarding the Chicago exhibition. *Il Metal Ind n s* 11:462-73 N '13
- Exhibits of foundry equipment and supplies. *Iron Tr R* 53:657-62 O 9 '13
- Foundry and machine exhibition at Chicago. *Il Iron Tr R* 53:709-14 O 16 '13
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See also Foundry records

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Foundry management—Continued.

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- Threaded fittings made with green sand cores. W. J. Carew, jr. diags Foundry 41:535-6 D '13
- Use and abuse of slip jackets. W. H. Parry. Foundry 41:519-20 D '13
- Use of the oxy-acetylene torch in foundries. H. C. Estep. II Foundry 41:443-50 O '13
- Van Wagner mfg. co.'s die-casting practice, Syracuse, N. Y. C. L. Lucas. II diags Mach 19:327-31, 425-8 Ja-F '13
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Foundry records

- How one iron foundry records its operations: system installed by the Rutenber motor co. C. S. Taylor. Foundry 41:527-31 D '13

Foundry supplies. See Foundries—Equipment and supplies**Foundrymen**

- Open-shop policy, workmen's compensation etc. discussed by National founders' association. Iron Tr R 53:989-97 N 27 '13

Foundrymen's association, American. See American foundrymen's association**Fountains**

- Novel electric fountain. II Am Ind 14:26-7 N '13

Fountains, Drinking. See Drinking fountains**Fox farming**

- Fortunes in foxes. Sci Am 108:172 F 22 '13

France**Defenses**

- Comparison of French and German strength in dirigible airships. II Sci Am 109:126 Ag 16 '13

Navy

- Recent warships for the French admiralty. II plans Int Marine Eng 18:93-7 Mr '13

Franchises

Franchise values. W. M. Wherry, jr. Elec Ry J 42:781-2 O 15 '13

Goodwill, patents, trade-marks, copyrights and franchises. P. J. Esquerré. J Account 15:31-4 Ja '13

Franchises, Municipal. See **Municipal franchises**

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Franklin Institute treasures. H. D. Jones. II Sci Am 108:473 My 24 '13

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New port and railroad terminal on the Gulf. A. W. Davis. II Ry & Eng R 53:499-501 My 31 '13

Freezing points

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Freezing process. See **Foundations**

Freight

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See also Carriers; Demurrage; Electric railroads — Freight; Railroads — Freight; Shipment of goods; Transportation

Freight, Perishable

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See also Refrigerator cars

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See also Refrigerator cars

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Freight cars—Continued.

- Link side bearing truck, diags Ry Age (Mech ed) 87:673-4 D '13; Same. Ry Age 55:1167-9 D 19 '13
- Making stock cars from scrapped box cars. W: Queenan. Ry Age (Mech ed) 87:379 JI '13
- Narrow gage equipment for the East broad top. II Ry Age 54:1606-7 Je 27 '13
- New devices for the car department. II diags Ry Age 55:1167-9 D 19 '13
- Ninety-ton high side gondola car: developed on the Norfolk & Western and equipped with specially designed six-wheel equalized trucks. II plans Am Eng 87:35-40 Ja '13; Same. Ry Age 54:16-9 Ja 3 '13
- Ninety-tons capacity gondola, Norfolk & Western railway. II plans Ry & Eng R 53:3-6 Ja 4 '13
- 100-ton coal car: Norfolk & Western Ry. II plan Eng N 69:116-7 Ja 16 '13
- Problem of box car design. Ry Age 55:1123-5 D 12 '13
- Rumsey freight car door. diags Am Eng 87:216 Ap '13; Ry & Eng R 53:582 Je 14 '13
- Seventy-ton hopper car, for Birmingham Southern. II Ry Age (Mech ed) 87:503-4 S '13
- Seventy-ton quadruple hopper cars for the Birmingham Southern R. R. II Ry & Eng R 53:563 Je 14 '13
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- Steel underframes for cars and steel box-cars. Eng N 70:1202-3 D 11 '13
- Steel upper frame box cars. R. W. Burnett. II diags Ry & Eng R 53:1122-5 D 6 '13
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- Tests of alcohol heater car. Ry Age 55:53-4 JI 11 '13; Same. Ry Age (Mech ed) 87:441-2 Ag '13
- Vital factors in car economy; adapted from paper by C. A. Lindstrom. Ry & Eng R 53:204-6 Mr 8 '13
- See also* Car cleaning; Car painting; Draft gears; Refrigerator cars
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Furnaces—Continued.

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Refractory materials; Refuse destructors;
Smelting

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Concrete piles for strengthening foundations.
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Furnaces, Cupola. See Cupola furnaces

Furnaces, Electric. See Electric furnaces

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hearth process

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Development of the reverberatory furnace for
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See also Ship furniture

G

Gage glasses. See Water gage glasses

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Eng Rec 68:191-2 Ag 16 '13

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Eng N 70:701 O 9 '13

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Mach 19:519 Mr '13

See also Pressure gages; Water gages

Gages, Pressure. See Pressure gages

Gales. See Winds

Galvanic batteries. See Electric batteries

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About sherardizing. T. Liggett, jr. Il Metal

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izing sheets. Il Iron Tr R 53:173-5 J1 24 '13

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plating

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See also Electric measurement

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Gantt bonus system. See Bonus system

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Gas power; Gas producers; Gases; Mine

gases; Oxy-acetylene flame; Petroleum

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Gas analysis. See Gases—Analysis

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1 '13

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4 '13

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See also Grinding wheels

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Hammer drills. See Rock drills**Hammers**

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See also Phillips spring hammer; Steam hammers

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Hardening of steel. See Steel, Hardening of**Hardinge mill**

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See also Bolts and nuts; Files and rasps; Locks and keys; Tools; also American iron, steel and heavy hardware association

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See also Mowing machines

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See also Conveying machinery; Electric haulage; Freight handling; Mine haulage; Motor trucks; Transportation

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See also Reflectors

Headlights, Locomotive. See Locomotive headlights

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See also Public health; also Ohio. State board of health

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See also Heat transmission; Steam engineering

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See also Boilers; Evaporation; Heat conductivity; Steam engineering

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See also Boilers; Car heating; Chimneys; Electric heating; Fuel; Furnaces; Gas heating; Heating from central stations; Heating pipes; Hot water heating; Radiation; Steam heating; Ventilation
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Expense of operating heating and ventilating plants. Power 38:437-8 S 23 '13
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Coal required for heating. Power 37:863-4 Je 17 '13
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- Heating, Electric.** See Electric heating
Heating, Hot water. See Hot water heating
Heating, Steam. See Steam heating
Heating and ventilating engineers, American society of. See American society of heating and ventilating engineers
- Heating from central stations**
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Special Venturi style elbows. F. L. Busey. diags Power 38:369-70 S 9 '13
See also Hot water heating; Steam pipes
- Heights.** See Altitudes
- Helena, Arkansas**
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See also Radioactivity
- Hemlock trees**
Harvesting tan bark. S: J. Record. II Sci Am S 75:408 Je 28 '13
- Heredity**
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Completing a belated skyscraper. Eng Rec 68:192 Ag 16 '13
Design of the Woolworth building. S. F. Holtzman. II plans Eng Rec 68:22-4 Jl 5 '13
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See also Steel construction
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High speed steel. See **Tool steel****Highway engineers association of Missouri**

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Highways. See **Roads****Hinges**

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History, Military. See **Military history****Hitches.** See **Slings and hitches****Hoboken, N. J.**

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Hogs. See **Swine****Hoisting chains.** See **Chains****Hoisting machinery**

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See also Conveying machinery; Cranes, derricks, etc.; Electric shovels; Elevators; Ginpoles; Hooks; Lifting magnets; Mine hoisting; Mining machinery; Slings and hitches; Wire rope

Hoisting rope. See **Wire rope****Holding companies**

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See also Air brake hose

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Incinerators. See Refuse destructors

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Independence hall. See Philadelphia—Public buildings

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Industrial alcohol. See Alcohol, Denatured

Industrial arts

See Agriculture; Architecture; Blacksmithing; Building; Business; Chemistry, Technical; Electric engineering; Engineering; Engraving; Factories; Foundry practice; Glass manufacture; Industrial education; Industry; Inventions; Machine shop practice; Machine shops; Machinery; Manufactures; Masonry; Mechanical engineering; Metallurgy; Mills and millwork; Painting; Structural; Plumbing; Pottery; Printing; Shipbuilding; Tanning; Technical education; Textile industry and fabrics; Tools; Turning; Waste products; Woodwork

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 See also Labor laws
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 Inspection of buildings. See Building inspection
 Inspection of cars. See Car inspection
 Inspection of machinery. See Machinery—Inspection
 Inspection of mines. See Mine inspection
 Inspection of steamboats. See Steamboat inspection
 Inspectors of plumbing. See American society of inspectors of plumbing and sanitary engineers
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See also Street lighting fixtures

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See also Lightning protection; Thunderstorms

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See also Briquets; Coal

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See also Textile industry and fabrics

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See also Liquid air

Liquid air

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See also Liquefaction of gases

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See also Benzol; Gasoline; Kerosene; Motor spirit; Oil burners; Petroleum as fuel

Liquid meters

Development in V-notch recording meter. J. Escherick. Il diags Power 38:85-7 Jl 15 '13

Liquid meter of the measuring tank type. plan Eng N 69:555 Mr 20 '13

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See also Liquid air; Solution (chemistry)

Liquids, inflammable. See Inflammable liquids**Liquor traffic**

Liquor in construction camps. C. E. Fisher. Ry & Eng R 53:205-6 Mr 8 '13

Literature

See also Indexes

Literature, Engineering. See Engineering literature**Literature, Scientific. See Scientific literature****Lithia**

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Lithium

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Liverpool, England

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See also Bridges—Load

Load-factor. See Electric terminology**Load losses. See Dynamos—Losses; Electric machinery—Losses; Electric motors—Losses****Loading, Mechanical. See Mechanical handling**
Loading of cars. See Freight car service—Carload**Locks (canals and rivers)**

Adjustment of devices at hinge, miter ends and sills on Panama canal lock gates to prevent leakage. plans Eng N 70:744-5 O 16 '13

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Lock and drydock at Keokuk, Iowa. Il plans Eng Rec 68:88-92 Jl 26 '13

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Locks and keys

Prototype of the Yale lock. W. Schumann. Il Sci Am 109:125 Ag 16 '13

Locomobile, American. See Buckeyemobile**Locomobiles, German**

Locomobiles on the uniflow system. A. Gra-denwitz. Il Power 38:714-5 N 18 '13

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Locomotive boilers—Continued.

- Report of the federal boiler inspector. Ry Age 54:135-6 Ja 24 '13
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 Safety type of locomotive boiler. Eng N 69:317-8 F 13 '13
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 Service of the Brotan boiler. diags Am Eng 87:128-9 Mr '13
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See also Locomotive fireboxes; Locomotive grates; Locomotives

Fireboxes

See Locomotive boilers—Testing; Locomotive fireboxes

Testing

- Comparative tests of locomotive boilers equipped with the Jacobs-Shupert and the radial-stay fireboxes. il plans Ry & Eng R 53:118-20, 170-4 F 8, 22 '13
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Locomotive cabs

- Cab window ventilator. diags Ry Age 55:1128 D 12 '13
 Locomotive cab furnishings. A. B. Lawson. diags Am Eng 87:241-2 My '13

Locomotive engineers

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Locomotive fireboxes

- Autogenous welding in locomotive fireboxes. N. H. Ahsliouh. diags Ry Age (Mech ed) 87:670-2 D '13
 Gaines firebox on the Illinois Central. il diags Ry Age (Mech ed) 87:362-5 Jl '13
 Life of locomotive fireboxes. C. T. Rommel. il diags Ry Age 55:91-4 Jl 18 '13

See also Locomotive boilers—Testing; Locomotive grates

Locomotive firemen. See Railroads—Employees**Locomotive grates**

- Design of locomotive grates. W. R. Hedeman. diags Ry Age (Mech ed) 87:585-3 N '13

Locomotive headlights

- Deflectable headlight. J. R. Pratt. il Ry Age 55:645-6 O 10 '13
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Locomotive laboratories. See Locomotives—Testing**Locomotive rods. See Locomotives—Rods****Locomotive scoops. See Water scoops****Locomotive shops**

- Engine house efficiency. Ry Age 55:153-4 Jl 25 '13
 Engine house efficiency. Ry & Eng R 53:736-8 Ag 2 '13
 Engine house organization and operation. W. Smith. Ry Age (Mech ed) 87:597-602 N '13
 Forms for locomotive operation and cost; office records that give index of shop and roundhouse conditions. A. V. Heckman. Am Eng 87:124-8 Mr '13
 Heat treating plant, Juniata shops, Pennsylvania railroad. plans Ry & Eng R 53:1199 D 27 '13
 Laying off shoes and wedges. E. T. Spidy. Ry Age (Mech ed) 87:307-8 Je '13
 Locomotive repair plant, Wabash railroad, Decatur, Ill. il plans Ry & Eng R 53:1033-6 N 8 '13
 Locomotive shop kinks. L. D. Freeman. plans Am Eng 87:21-2 Ja '13
 Locomotive tire heater; pneumatic bulldozer. W. A. McGee. diags Ry Age (Mech ed) 87:309-10 Je '13
 New locomotive repair shop, Elgin, Joliet & Eastern Ry., Joliet, Ill. il plans Ry & Eng R 53:927-30 O 4 '13
 Schedules for locomotive repairs: routing system in repair shops. H. Gardner. il Eng M 44:417-21 D '12
 Scheduling work in the railroad repair shop. E. Cordeal. Eng M 44:191-8 N '12
 Shop output. J. H. Tinker. Ry Age (Mech ed) 87:666-8 D '13; Same. Ry & Eng R 53:1205-7 D 27 '13; Same cond. Ry Age 55:1018-9 N 28 '13

See also Locomotive works; Locomotives—Repair

Locomotive stokers. See Stokers, Mechanical**Locomotive terminals**

- Engine terminal of Baltimore & Ohio railroad at Cumberland. il plan Eng Rec 68:411-2 O 11 '13
 Locomotive terminal for the Baltimore & Ohio railroad, Cumberland, Md. il Ry & Eng R 53:949-50 O 11 '13; Ry Age 55:709-11 O 17 '13; Ry Age (Mech ed) 87:591-3 N '13
 Locomotive terminals and repair facilities of the Northern Pacific Ry. in Washington. il plans Ry & Eng R 53:519-22 Je 7 '13
 Mechanical terminal for Illinois Central. W. Doud. il plans Ry Age (Mech ed) 87:353-61 Jl '13
 Mechanical terminal for Illinois Central at Centralia. il plans Ry Age 54:1597-1604 Je 27 '13
 New engine terminals on the Western Maryland. G. E. Lemmerich. plans Ry Age 55:189-90 Ag 1 '13

See also Roundhouses

Locomotive trucks

- New design of Hodges trailing truck applied to Pacific type locomotives. diags Am Eng 87: 74 F '13
 Six wheel tender trucks on passenger locomotives—Mikado type introduced on the Santa Fe. il diags Ry Age (Mech ed) 87:525-7 O '13

Locomotive whistles

- Slovenly whistling. W. R. Shaw. Ry Age 54:744 Mr 28 '13

Locomotive works

- Improved throttle lever rigging. diags Ry Age (Mech ed) 87:331 Je '13
 Increasing production while rebuilding. C. A. Tupper. il plans Iron Tr R 53:454-8, 503-7 S 11-18 '13
 Increasing the output while rebuilding a shop: Canadian locomotive co., Kingston, Ont. il plans Foundry 41:365-9 S '13
 Saxon engineering works, Chemnitz. C: R. King. il plan Eng M 45:334-52, 525-37 Je-Jl '13

See also Locomotive shops

Locomotives

- Atlantic type inspection locomotive. il diags Ry Age 55:404-5 S 5 '13
 B. & O. exhibit at Wheeling, W. Va., celebration. il Ry & Eng R 53:753-4 Ag 9 '13
 Baldwin locomotives built during 1912. Ry Age 54:745-7 Mr 28 '13
 Baltic type locomotive. il Am Eng 87:190 Ap '13
 British locomotive development. il Sci Am 109:284 O 11 '13
 Canadian Pacific 4-6-2 type locomotive equipped with enclosed vestibule cab and combined tender tank and underframe. W. H. Winterrowd. il plans Am Eng 87:117-21 Mr '13
 Centenary of a famous locomotive. H. T. Walker. il Sci Am 109:230 S 20 '13
 Combustion in locomotive practice. J. T. Anthony. diags Ry Age 54:1220-5 Je 6 '13
 Compound locomotives and superheat. Sci Am S 75:407 Je 28 '13
 Consolidation and ten-wheel locomotives for the St. Louis Southwestern Ry. il diags Ry & Eng R 53:801 Ag 23 '13
 Consolidation locomotives for the Wheeling & Lake Erie railroad. il plans Ry & Eng R 53:1121-2 D 6 '13
 Curves of locomotive operation. L. R. Pomeroy. diag Am Eng 87:68-70 F '13
 Design of counterbalance weights. C. E. Bronson. Ry Age (Mech ed) 87:529-30 O '13
 Distribution of power in Mallets: valve setting and cylinder ratios when the weight on the two groups of drivers is unequal. P. Weeks. Am Eng 87:237-41 My '13
 Engine house organization and operation. W. Smith. Ry Age (Mech ed) 87:597-602 N '13
 Factors in the selection of locomotives discussed by American society of mechanical engineers. Am Eng 87:9-15 Ja '13
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 Feed-water heating for locomotives. il Power 38:387-9 S 16 '13
 4-8-2 type for Missouri Pacific. il diags Ry Age (Mech ed) 87:583-5 N '13
 Garratt articulated locomotives. il Eng M 44:941-3 Mr '13
 Heaviest 2-8-0 type locomotive for Wheeling & Lake Erie. il diag Ry Age (Mech ed) 87:641-3 D '13
 Heavy switching locomotive with side sand-boxes. il Eng N 69:239 F 6 '13
 Impressions of German railway practice: handling of locomotives at terminals, economizing of fuel and care of employees. H. W. Jacobs. Ry Age 54:25-6 Ja 3 '13
 Inspection locomotive on the Reading. il diags Ry Age (Mech ed) 87:479-82 S '13
 Large passenger locomotives for the Chesapeake & Ohio. Ry Age 55:571-2 S 26 '13
 Locomotive design. Ry & Eng R 53:9 Ja 4 '13
 Locomotive development: large decapod engines for service in the French coal-fields. il Sci Am S 76:229-30 O 11 '13
 Locomotive with the Stumpf direct-flow system of steam distribution. diag Eng N 69:1131 My 29 '13
 Locomotives for the associated lines; common standard designs changed to include the Walschaert valve gear and superheaters. il Am Eng 87:5-7 Ja '13
 Locomotives for the Chicago & Western Indiana R. R. plans Ry & Eng R 53:325-6 Ap 5 '13

- Maintenance and operation of superheater locomotives. G. E. Ryder. il Sci Am S 76: 164-5 S 13 '13; Same cond. Eng M 45:582-6 Jl '13
 Mallet compound locomotive for the Pennsylvania R. R. plan Ry & Eng R 53:711-2 Jl 26 '13
 Mallet compound locomotives for the Denver & Rio Grande R. R. il plan Ry & Eng R 53:121-2 F 8 '13
 Mallet compound locomotives for the Missouri Oklahoma & Gulf Ry. plans il Ry & Eng R 53:16 Ja 4 '13
 Mallet locomotives on the Norfolk & Western Ry. il diags Ry & Eng R 53:558-9 Je 14 '13
 Mallets on the Norfolk & Western. il Ry Age 54:1025-6 My 9 '13
 Methods by which to increase the mileage of locomotives. Ry & Eng R 53:95 F 1 '13
 Mikado and Mallet type locomotives for the Northern Pacific Ry. il diags Ry & Eng R 53:843-5 S 6 '13
 Mikado locomotive for the Lake Shore & Michigan Southern Ry. il diags Ry & Eng R 53:431-2 My 10 '13
 Mikado on the Reading. il diags Ry Age (Mech ed) 87:411-3 Ag '13
 Mikado type locomotive. Philadelphia & Reading Ry. il diags Ry & Eng R 53:527-9 Je 7 '13
 Mikado type locomotives for the Grand Trunk Ry. il diag Ry & Eng R 53:729-30 Ag 2 '13
 Mikado type locomotives for the Illinois Central R. R. il plan Ry & Eng R 53:53-4 Ja 18 '13
 Mikados for the Lake Shore; heaviest locomotives of their type. il diags Am Eng 87: 231-5 My '13; Same cond. Ry Age 54:987-90 My 2 '13
 Modern locomotive practice. Am Eng 87:230 My '13
 Mountain type locomotives for the Missouri Pacific Ry. il plans Ry & Eng R 53:1013-4 N 1 '13
 Narrow gage equipment for the East Broad Top railroad & coal co. il Ry Age 54:1606-7 Je 27 '13
 Obsolescence and depreciation for locomotives. Elec Ry J 41:997 Je 7 '13
 Pacific and Mikado locomotives for the Denver and Rio Grande R. R. il diags Ry & Eng R 53:409-11 My 3 '13
 Pacific type locomotive for the Nashville, Chattanooga & St. Louis Ry. plans Ry & Eng R 53:587-8 Je 21 '13
 Pacific type locomotive for the Pennsylvania lines west of Pittsburg. il diags Ry & Eng R 53:934-5 O 4 '13
 Pacific type locomotives, Central of Georgia railway. il plan Ry & Eng R 53:1080-1 N 22 '13
 Pacific type locomotives, Delaware & Lackawanna & Western R. R. il plans Ry & Eng R 53:640-1 Jl 5 '13
 Pacific type locomotives for the Baltimore & Ohio R. R. il diags Ry & Eng R 53:884-5 S 20 '13
 Pacific type locomotives for the Erie railroad. il diag Ry & Eng R 53:536-7 Je 7 '13
 Pacific type locomotives for the Seaboard air line. il plans Ry & Eng R 53:95-6 F 1 '13
 Powerful articulated narrow gage locomotives for Tasmania. il Sci Am S 76:180 S 20 '13
 Progress in locomotive design. Ry Age 55: 1215-20 D 26 '13
 Proposed compound switching locomotive. plan Ry & Eng R 53:1017 N 1 '13
 Recent development of the locomotive. G: R. Henderson. il Sci Am S 75:8-9, 25-7, 35-6, 54-5 Ja 4-25 '13
 Record of a Lehigh Valley locomotive. il Ry Age 55:704 O 17 '13
 Selection of a locomotive. Am Eng 87:3-4 Ja '13
 Service recorder. Ry Age 54:1610 Je 27 '13
 Simple articulated locomotives for the Antofagasta & Bolivia Ry. il plan Ry & Eng R 53:992 O 25 '13

Locomotives—Continued.

- Slater front end. *Il plans* Am Eng 87:7-8 Ja '13
- Special features of new locomotives for the Atchison, Topeka & Santa Fe Ry. *Il Eng* N 70:279-80 Ag 14 '13
- Steam versus electric locomotives. R. V. Macaulay. Eng M 44:434-6 D '12
- Superheated locomotives. P. C. Linck. Ry Age (Mech ed) 87:416-7 Ag '13
- Superheating and feed water heating; theoretical discussion checked by results on Egyptian state railways. F. H. Trevithick and P. J. Cowan. Ry Age 54:1543-8 Je 20 '13
- Switching locomotive data. Ry & Eng R 53:933 O 4 '13
- Switching locomotives for the Illinois Central R. R. *Il plan* Ry & Eng R 53:181-2 Mr 1 '13
- Switching locomotives for the Monongahela connecting R. R. *Il Ry & Eng* R 53:830 Ag 30 '13
- Tabular comparison of Pacific type locomotives built by the American locomotive co. Ry & Eng R 53:126-7 D 6 '13
- Tabular comparison of recent locomotives of the Atlantic, ten-wheel, mogul and switching types. Am Eng 87:19 Ja '13
- Tabular comparison of recent simple freight locomotives. Am Eng 87:72 F '13
- Tabular comparison of typical locomotives of the Mallet articulated type. Am Eng 87:73 F '13
- Tabular comparison of typical locomotives of the mountain, Pacific and prairie types. Am Eng 87:18 Ja '13
- Three-cylinder locomotives. J. S. Bell. *diags* Ry & Eng R 53:591-5 Je 21 '13
- Traveling engineers' assn., 21st annual convention, Chicago, August, 1913. Ry & Eng R 53:779-81, 785-8 Ag 16 '13
- Vanadium steel and its application in locomotive construction. G. L. Norris. Ry & Eng R 53:894-5 S 20 '13; Excerpts. Eng N 70:634 S 25 '13
- See also Electric locomotives; Locomotive boilers; Locomotive fireboxes; Locomotive grates; Locomotive headlights; Locomotive trucks; Railroads; Steam engines; Stokers, Mechanical; Tires (locomotive); Traction engines; Water gage glasses
- Brakes**
- Care of locomotive brake equipment. Ry Age 55:337-8 Ag 22 '13; Ry Age (Mech ed) 87:477-8 S '13
- Q-R locomotive brake equipment. *plan* Ry & Eng R 53:106-7 F 1 '13
- Connecting rods**
- See Locomotives—Rods
- Deck shields**
- Locomotive deck shields. W. R. Hedeman. *diag plans* Am Eng 87:122-3 Mr '13
- Driving boxes**
- Driving boxes. Ry Age (Mech ed) 87:420-3 Ag '13; Same cond. Ry Age 55:152-3 Jl 25 '13
- Planing taper flanges on driving boxes. C. L. Dickert. *diags* Ry Age (Mech ed) 87:414 Ag '13
- Repairing locomotive driving boxes: brasses cast in place are better both as to service and cost of repairs. M. D. Franey. *il diags* Am Eng 87:199-202 Ap '13
- Equipment**
- Condensed record of locomotive equipment. R. M. Swartz. Ry Age (Mech ed) 87:527-9 O '13
- Bronze liners for crossheads. *diags* Ry Age (Mech ed) 87:428 Ag '13
- Engine and tender coupler. *diags* Am Eng 87:274 My '13
- Locomotive indicating apparatus. H. R. Stafford. *plans* Ry & Eng R 53:32-5 Ja 11 '13
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See also Los Angeles aqueduct

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See also Barometer

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Mice. See Field mice

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 See also Gear cutting; Machine tools
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 See also Mine haulage
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 See also Mine shafts; Mine timbering
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Mine employees. See Miners

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See also Coal dust; Coal mines and mining—Accidents and explosions; Mine accidents; Mine fires; Mine gases

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See also Firedamp; Mine accidents; Mine explosions; Safety lamps

Mine foremen. See Mine management; Mining engineering

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See also Carbon monoxide; Firedamp; Mine explosions; Mine fires; Mine ventilation; Safety lamps

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 Automatic switch for locomotive haulage. diag Eng & Min J 96:404 Ag 30 '13
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 Mining plant of Petros coal co.; the gravity plane and five-car rotary dump. A. W. Evans. diag Colliery 34:151-2 O '13
 Motor trucks for mines. O. H. Sonne. Eng & Min J 96:457 S 6 '13
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See also Locomotives, Mine; Mine cars; Mine hoisting; Mine tracks

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 Bailing through an untimbered shaft. D. Mulr. II plans Eng & Min J 95:991-6 My 17 '13
 Cage with Munzner safety catches. diag Eng & Min J 96:112-3 Jl 19 '13
 Chain-driven convertible hoist. E. E. Carter. diag Eng & Min J 96:115 Jl 19 '13
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 Safety catch and bucket release. diag Eng & Min J 96:613 Mr 22 '13
 Safety rules—belts, pulleys and shafts. Eng & Min J 96:831 N 1 '13
 Safety rules—ropes and sheaves. Eng & Min J 96:788 O 25 '13
 South African electric hoisting systems. Eng & Min J 95:608 Mr 22 '13
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 Three-stage hoisting system. plan Eng & Min J 96:448 S 6 '13
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See also Dumping appliances; Headframes; Hoisting machinery; Mine cars; Mine haulage; Wire rope

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Mine labor. See Miners**Mine lamps. See Safety lamps****Mine lighting**

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Plummet lamp. *Il Colliery* 33:526-7 Ap '13

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Mine locomotives. See Locomotives, Mine**Mine management**

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See also Mine surveying

Mine rescue work

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See also Mine accidents; Mining engineering—Safety measures

Mine sampling. See Ore sampling**Mine sanitation**

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Reinling No. 2 Hamilton shaft, Chapin mine, Iron Mountain, Mich. *plans Eng & Min J* 96:680-3 O 11 '13

Repairing a 12-in. shaft without removal. *Il Eng & Min J* 95:1281-2 Je 28 '13

Safety gates for shafts. *Il Colliery* 34:162-3 O '13

Safety rules—the shaft. *Eng & Min J* 96:67-8 J1 12 '13

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Shaft timbering in swelling ground. W. H. Storms. *plan Eng & Min J* 96:498-9 S 13 '13

Steel and concrete drop-shaft. *Eng Rec* 67:505 My 3 '13

System of sand-filling for deep mine shafts. *plan Eng N* 69:1324-5 Je 26 '13

Why leave shaft pillars? *Mines & Min* 33:305 Ja '13

See also Headframes; Mine hoisting; Mine timbering; Mine tracks; Mine ventilation; Shaft sinking

Mine signals

Bell and lamp signal systems. S. F. Walker. *plans Elec W* 61:150-1, 199-201, 251-3 Ja 18-F 1 '13

Evolution of an electric signal system. G. A. Packard. *diag Eng & Min J* 96:737-8 O 18 '13

Simple electric signaling system. *plan Eng & Min J* 95:471-2 Mr 1 '13

Mine surveying

Carrying the meridian underground. W. H. Roberts, Jr. *diags Colliery* 34:95-6 S '13

Complete mine maps. *Colliery* 34:91-2 S '13

Difficulties in mine surveying. H. G. Henderson. *Il Colliery* 33:359-60 F '13

Laying out Cananea underground curves. A. C. Harris. *diag Eng & Min J* 96:1027-8 N 29 '13

Mine surveying wrinkles. W. J. Crocker. *Mines & Min* 33:300-1 Ja '13

Underground survey. W. N. Cole. *Colliery* 33:519-20 Ap '13

U. S. Geological survey topographic maps for the civil and mining engineer. E. G. Woodruff. *Eng N* 70:384-5 Ag 21 '13

Use of relief maps in mine surveying. H. G. Henderson. *Il Sci Am S* 75:101-2 F 15 '13

Mine taxation

Changes in excise tax on profits from mining. *Eng & Min J* 95:488-9 Mr 1 '13

Mine taxation—Continued.

- Depreciation to be deducted from mining company profits. Eng & Min J 96:1212 D 27 '13
 New income tax. Eng & Min J 96:817-8 N 1 '13
 Stratton's independence income-tax case. Eng & Min J 96:826 N 1 '13
 Tax on mining income. Eng & Min J 96:655-6 O 4 '13

See also Mine valuation

Mine timbering

- Hexagonal stope sets. II Eng & Min J 95:519-20 Mr 8 '13
 Method of recording mine timbering. J. T. Fuller. diag Eng & Min J 95:323-4 F 8 '13
 Safe timbering. II Colliery 33:555-7 My '13
 Safety rules—timbering. Eng & Min J 96:925 N 15 '13
 Shaft timbering in swelling ground. W. H. Storms. plan Eng & Min J 96:498-9 S 13 '13
 Square-set framing at Butte. II Eng & Min J 96:878-80 N 8 '13
 Timbering a main level. I. C. Parfitt. Colliery 34:257-8 N '13
 Timbering in the Butte mines. B. H. Dunshee. II diags Am Inst Min E Bul 80:1511-21 Ag '13
 Top set silicing in the Chisholm district. L. D. Davenport. plan Eng & Min J 95:276-7 F 1 '13

See also Mine shafts

Mine tracks

- Concrete stringers for incline tracks. C. T. Rice. plan Eng & Min J 95:948-9 My 10 '13
 Concrete stringers in steep inclines. diag Eng & Min J 96:1290-1 Je 28 '13
 Construction. Colliery 34:152-3 O '13
 Novel incline track arrangement. diag Eng & Min J 96:788 O 25 '13
 Track work in a Minnesota mine, on the Mesabi range. E. W. R. Butcher. diags Eng & Min J 96:352-3 Ag 23 '13
 Tracks in rooms. M. J. Rafferty. Colliery 33:580-1 My '13

- Mine transportation. See Mine haulage; Mine hoisting; Mine tracks

Mine trolleys

- New type of mine trolley. II Eng & Min J 95:1182 Je 14 '13

- Mine tunnels. See Mine drainage; Tunnels and tunneling

Mine valuation

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 Assessment of mines. P. J. Miller. Eng & Min J 96:969-71 N 22 '13
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 Life factor in mine valuation. A. C. Key. Eng & Min J 95:1103 My 31 '13
 Valuation of iron mines. Eng & Min J 95:477-8 Mr 1 '13

Mine ventilation

- Answers to examination questions asked at examination for mine foreman and assistant foreman held at Pottsville, Pa., 1913. Colliery 33:653-4 Je '13
 Australian mine ventilation. Colliery 33:557 My '13
 Automatic door for ventilation control. H. S. Gieser. plan Eng & Min J 95:1048-9 My 24 '13
 Coal mine ventilation. A. King. Colliery 33:423-6 Mr '13
 Common sense mine ventilation. J. C. Gas-kill. Colliery 33:409-13 Mr '13
 Control of ventilation. Colliery 33:413-4 Mr '13
 Facts and theories relating to fans. D. M. Mowat. plan Colliery 33:429-39 Mr '13
 Gasoline motors in coal mines. A. J. King. II Colliery 34:164-5 O '13
 Humidifying the air-current. J. K. Johnston. plan Colliery 33:460 Mr '13

- Location of regulator. Colliery 34:38-9 Ag '13
 Mine humidification. D. Gerber. II Colliery 34:229-31 N '13

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- Pressure and velocity meter for mines. Colliery 34:300 D '13

- Size of airway. D. B. Gregg. Colliery 33:581 My '13

- Stopping ventilation at firing time. W. H. and S. Reynolds. Colliery 33:514-6 Ap '13

- Too much ventilation. W. H. Booth. Colliery 33:419-20 Mr '13

- Ventilating mines and removing gas. J. J. Rutledge. Colliery 34:81-6 S '13

See also Coal dust; Firedamp; Mine gases

Mineral industries

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Mineral lands

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- Mineral oils. See Petroleum

Mineral waters

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Mineralogy

- Halos in minerals; markings due to radium in rocks, and their significance. J. Joly. II Sci Am S 75:132-5 Mr 1 '13

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- Wages in Mexico. Eng & Min J 96:177-8 Ji 26 '13

Miners—Continued.

Wages in the Michigan copper district. Eng & Min J 96:964 N 22 '13
 What the union has done for Butte. W: Lake-land. Eng & Min J 96:511-2 S 13 '13
 Who is responsible for accidents? W: H. and J. T. Reynolds. Colliery 33:560-1 My '13

See also Coal miners; Mine sanitation; Mining camps; Mining towns

Miners' lamps. See Safety lamps

Mines, Military

Fighting with dynamite and electricity. A. Gradenwitz. Il diags Sci Am 109:488 D 27 '13

Mines and mineral resources

See also Coal mines and mining; Copper mines and mining; Copper ores; Geology, Economic; Gold mines and mining; Hydraulic mining; Iron mines and mining; Lead mines and mining; Mercury; Metals; Mine accidents; Mine fires; Mine management; Mine surveying; Mine ventilation; Mineral lands; Mineralogy; Miners; Mining engineering; Mining laws; Mining machinery; Natural resources; Ore deposits; Ore sampling; Ores; Petroleum; Prospecting; Shaft sinking; Silver; Sulphur; Tin; Zinc

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Mining in Alaska in 1912: abstract of report to U. S. Geol. S. Eng & Min J 95:130-3 Ja 11 '13; Same cond. Eng M 44:788-90 F '13

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History of the Copper Queen mines. Eng & Min J 95:525-30 Mr 8 '13
 Johnson-Dragon district, Arizona. Eng & Min J 95:648 Mr 29 '13
 Mining in Arizona in 1912. Eng & Min J 95:126-7 Ja 11 '13
 New developments at Jerome, Arizona. Il Eng & Min J 96:145-7 JI 26 '13
 Oro Blanco district of Arizona. M. C. Milton. Il Eng & Min J 96:1005-7 N 29 '13

Australia

Mining in Australia in 1912. W. P. Geary. Eng & Min J 95:147-8 Ja 11 '13

Bolivia

Aramayo Francke mines, ltd. Eng & Min J 96:1229 D 27 '13
 Minerals of Bolivia. map Eng & Min J 96:636-8 O 4 '13
 South America through Yanqui eyes. Eng & Min J 96:623-4 Mr 22 '13

British Columbia

Mineral production of British Columbia. Eng & Min J 95:946 My 10 '13
 Mining in British Columbia in 1912. E. Jacobs. Eng & Min J 95:133-4 Ja 11 '13
 New field in British Columbia. Plomoso. Eng & Min J 96:894 N 8 '13

California

Geology of the Woody copper district, California. W: H. Storma. Eng & Min J 96:635 O 4 '13
 Mining in California in 1912. L: H. Eddy. Eng & Min J 95:117-8 Ja 11 '13
 Mining in Siskiyou county, Cal. Eng & Min J 96:585-6 S 27 '13
 Mother Lode region. L: H. Eddy. Il map Eng & Min J 95:405-10 F 22 '13
 What has been the fume damage in California? L. H. Eddy. map Eng & Min J 96:153-5 JI 26 '13

Canada

Mineral production of Canada in 1912. Iron Age 91:708 Mr 20 '13

Central America

Mining in Central America in 1912. Eng & Min J 95:139-40 Ja 11 '13

Colombia

Activity in Colombian placers. Eng & Min J 95:533-4 Mr 8 '13
 Activity in Colombian placers. F. F. Sharpless. Eng & Min J 95:815-6 Ap 19 '13
 Progress of mining in Colombia. S. Wright. Eng & Min J 95:429-30 F 22 '13

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Cripple Creek in the early days. G. L. Sheldon. Eng & Min J 95:220-1 Ja 25 '13
 London mine, Mosquito mining-district, Park county, Colo. C: J. Moore. diags Am Inst Min E Bul 75:415-27 Mr '13
 Metal mining in Colorado in 1912. G: E. Collins. Eng & Min J 95:118-9 Ja 11 '13
 Platoro district, Colorado. C. A. Allen. Il Eng & Min J 96:575-7 S 27 '13
 Visitor's estimate of Platoro. S. E. Bennett. Eng & Min J 96:258 Ag 9 '13

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Egyptian minerals. Sci Am 109:70 JI 26 '13

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Coeur d'Alene mining district. F. R. Ingalsbe. Eng & Min J 96:156-9 JI 26 '13

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India mica industry. A. F. Dixon. Il Am Inst Min E Bul 77:859-77 My '13

Korea

Report of the Oriental consolidated mining co., in the Unsan district of Chosen. Eng & Min J 96:1025-6 N 29 '13
 Trip through northern Korea. H: W. Turner. Il map Am Inst Min E Bul 76:561-9 Ap '13

Mexico

Fuerte district, Sinaloa. G. L. Sheldon. map Eng & Min J 95:750-1 Ap 12 '13
 La Mazata mine, Jalisco, Mexico. T: C. Myers. Eng & Min J 96:446 S 6 '13
 Mines of Mexico. H. A. Megraw. Il Eng M 46:37-45 O '13
 Mining in Mexico in 1912. Eng & Min J 95:136-9 Ja 11 '13
 Patience and cheap labor in Mexican mining. W: H. Yeandle. Eng & Min J 96:1127-8 D 13 '13
 Relation of outcrops to ore at Cananea. M. J. Elsing. Eng & Min J 95:357-62 F 15 '13

Missouri

Conditions in the Joplin district. T. Chapman. Eng & Min J 96:393-4 Ag 30 '13
 Developments in the Joplin district, Mo. Eng & Min J 96:688-4 O 11 '13

Montana

Genesis of the Butte ores. Eng & Min J 96:587-9 S 27 '13
 Mining industry in Montana. F. L. Fisher. Eng & Min J 95:119-20 Ja 11 '13
 Origin of the Butte chalcocite. Eng & Min J 96:439-40 S 6 '13

Nevada

Kennedy mining district. P. Klopstock. Am Inst Min E Bul 78:1041-6 Je '13
 Mining in Nevada in 1912. Eng & Min J 95:127-30 Ja 11 '13
 Ore occurrence at Prince Consolidated mine at Pioche, Nevada. E: R. Zalinski. Il Eng & Min J 95:809-12 Ap 19 '13
 Rochester, Nevada's newest boom camp. H. C. Cutler. Il map Eng & Min J 95:355-6 F 15 '13

New Mexico

History of the Copper Queen mines. Eng & Min J 95:525-30 Mr 8 '13
 Minerals of the Tres Hermanas district. W. R. Wade. Eng & Min J 96:589-90 S 27 '13
 Mining in New Mexico in 1912. Eng & Min J 95:124-5 Ja 11 '13

New South Wales

New South Wales mineral production in 1912. Eng & Min J 95:744 Ap 12 '13

New York

Mining in northern New York. P. B. McDonald. Il map Eng & Min J 95:689-92 Ap 5 '13

North Carolina

Mining and treatment of feldspar and kaolin. A. S. Watts. Il map U S Bur Mines Bul 53:1-160 '13

Ontario

Coniagas mine, Cobalt, Ontario. R. E. Hore. Il map Eng & Min J 95:981-2 My 17 '13
 Ontario mineral output increased. T: W. Gibson. Eng & Min J 95:134-6 Ja 11 '13

Mines and mineral resources —Continued.**Oregon**

Mineral production of Oregon in 1912. Eng & Min J 96:772 O 25 '13

Peru

Economic and commercial situation in Peru. C: M. Pepper. Il Iron Age 92:1097-1100 N 13 '13

Rhodesia

Mining in Rhodesia. H. F. Marriott. Eng & Min J 95:146-7 Ja 11 '13
Rhodesian mining notes. Eng & Min J 96: 625-6 O 4 '13

Russia

Kyshtim corporation. Eng & Min J 96:358 Ag 23 '13
Russian mining in 1912. J: P. Hutchins. Eng & Min J 95:148-51 Ja 11 '13

South Africa

Conditions in prominent Rand mines. E. M. Weston. Il Eng & Min J 96:49-50 J1 12 '13
Government gold mines in South Africa. A. C. Key. Eng & Min J 95:15-6 Ja 4 '13
Rare minerals at Broken Hill, Rhodesia. G: D. Hubbard. Eng & Min J 95:1297-8 Je 28 '13

South America

Mining in South America in 1912. maps Eng & Min J 95:140-3 Ja 11 '13

South Dakota

Developments in the Black Hills. Eng & Min J 96:506-7 S 13 '13
Lithia deposits of the Black Hills. V: Ziegler. Il Eng & Min J 96:1053-6 D 6 '13
South Dakota mines prospered. J. Simmons. Eng & Min J 95:125-6 Ja 11 '13

Sweden

Electro-metallurgy in Scandinavia. Eng & Min J 95:1203-5 Je 14 '13

Texas

Texas iron ore deposits. R. Linton. Il map Eng & Min J 96:1153-6 D 20 '13
Topaz and stream tin in Mason county. H. C. Meyer. Eng & Min J 95:511-2 Mr 8 '13

Transvaal

Mining in the Transvaal in 1912. H. F. Marriott. Eng & Min J 95:144-6 Ja 11 '13

United States

Distribution of mining development in the United States. Iron Tr R 52:636 Mr 13 '13
Geographical distribution of mining development in the United States. E: W. Parker. Am Inst Min E Bul 75:443-51 Mr '13
United States Geological survey's table of ore production. Eng & Min J 96:753-4 O 18 '13

Utah

Mining in Utah in 1912. E: R. Zalinski. map Eng & Min J 95:121-3 Ja 11 '13

Minimum wage

Messages of the governors. Elec Ry J 41:74-5, 160-1 Ja 11, 25 '13

Mining accidents. See Mine accidents**Mining and metallurgical society of America**

Plans for a union of the Mining and metallurgical Soc. of Am. and the Am. Inst. of M. E. Eng & Min J 95:382-3 F 15 '13
Proposed union of the society and the Am. Inst. of M. E. Eng & Min J 96:466 S 6 '13

Mining camps

Cost of small frame buildings for a construction camp. Eng & Min J 96:550 S 20 '13
Sanitation of mining camps. C: H. Hair. Eng M 45:601-2 J1 '13

Mining companies

Anthraxite mine cave problem. Colliery 34: 264-5 D '13

See also Mining industry and finance

Mining congresses

Allgemeine deutsche bergmannstag. O. H. Hahn. Il Eng & Min J 96:779-82 O 25 '13
American mining Congress, sixteenth annual session. Eng & Min J 96:844-7 N 1 '13

Mining costs

Consolidated Mercur gold mines co. costs. Eng & Min J 95:23 Ja 4 '13
Cost of coal mining. E: W. Parker. Colliery 34:281-3 D '13
Cost of copper. H. Steele. Eng & Min J 96: 251-8 Ag 9 '13
Cost of equipping a Mesabi underground mine. Eng & Min J 96:549 S 20 '13
Cost of mining as related to output. R. C. Jones. Colliery 34:158-61 O '13
Cost of shaft sinking in Minnesota iron mining. Eng & Min J 96:739-40 O 18 '13
Cost of sinking Brakpan mine shafts. Eng & Min J 96:980-1 N 22 '13
Effect of centralization on costs. Eng & Min J 96:217 Ag 2 '13
Hollinger gold mines, Porcupine, Ont. report for 1912. Eng & Min J 96:739 O 18 '13
Liberty Bell gold mining co. unit costs. Eng & Min J 96:1075-6 D 6 '13
Montana-Tonopah costs. Eng & Min J 95:711-2 Ap 5 '13
Rand mining and milling costs. E. M. Weston. Eng & Min J 95:329-30, 425-6 F 8, 22 '13
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Underground costs in Minnesota iron mining. Eng & Min J 96:408 Ag 30 '13
Unit costs North Star mines. Eng & Min J 95:23-4 Ja 4 '13
Zinc mining costs at Joplin. Eng & Min J 95:1101 My 31 '13

Mining engineering

Answers to examination questions asked at examination for fire boss held in Birmingham, Ala., 1913. Colliery 34:123-5 S '13
Answers to examination questions asked at examination for mine foreman and assistant foreman held at Pottsville, Pa., 1913. Colliery 33:651-4, 718-9 Je-J1 '13
Answers to examination questions for fire bosses and mine foremen, West Virginia, 1912. Colliery 33:500-3, 587-90 Ap-May '13
Butte back-filling stoping method. Il Eng & Min J 96:594 S 27 '13
Choice of mining methods on the Mesabi range. Eng & Min J 96:592 S 27 '13
Chronology of mining in 1912. Eng & Min J 95:87-9 Ja 11 '13
Clear Creek and Gilpin county notes. S. L. Goodale. Il Eng & Min J 96:195-7 Ag 2 '13
Demonstration of mining plans. H. G. Henderson. Il Sci Am S 76:221 O 4 '13
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Diamond drill hole model. G. C. Bateman. diag Eng & Min J 95:471 Mr 1 '13
Drift mining Fairbanks, Alaska, frozen placers. diag Eng & Min J 96:975 N 22 '13
Explosives for mining operations. C. Hall and S. D. Howell. Eng M 45:437-40 Je '13
Factors affecting choice of mining method. E. M. Weston. Eng & Min J 96:533-5 S 20 '13
Fast work in driving a mine drift. E. T. Lednum. plan Eng N 69:601 Mr 27 '13
Filling mine stopes with mill tailings. Eng & Min J 95:36-7 Ja 4 '13
Handling telephone cables in the mine. G. Brown. Il Eng & Min J 96:1216-8 D 27 '13
Installing a mining plant in Latin America. E: W. Perry. Il Eng M 44:721-31 F '13
Mesabi station cutting. plans Eng & Min J 96:449-50 S 6 '13
Methods and costs, Mother Lode mine. B. C. E. Hibbert. diag Eng & Min J 95:599-602 Mr 22 '13
Mining and mining methods in the southeast Missouri disseminated-lead district. H. A. Guess. Il map Am Inst Min E Bul 84:2749-68 D '13
Mining at the Wasp no. 2, in the Black Hills, South Dakota. J. Simmons. Il Eng & Min J 95:1-4 Ja 4 '13
Mining magnetite by steam shovel in Sweden. A. S. Rice. Il Iron Tr R 53:953-60 N 27 '13
Mining methods on the Mesabi range. Iron Tr R 53:450-3 S 11 '13

Mining engineering—Continued.

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 Mother Lode region, Cal. L. H. Eddy. II map Eng & Min J 95:405-10 F 22 '13
 Openpit mining under difficulties. Eng & Min J 96:497 S 13 '13
 Outline of Mesabi topslicing method. plan Eng & Min J 96:578-80 S 27 '13
 Problem in mining, together with some data on tunnel-driving. F. M. Simonds and E. Z. Burns. map Am Inst Min E Bul 75:369-402 Mr '13; Discussion. 77:905-13 My '13
 Stopping methods at the North Star mine. L. O. Kellogg. II Eng & Min J 96:1011-5 N 29 '13
 Stopping methods, Mount Lyell. Eng & Min J 96:402-3 Ag 30 '13
 Summary of machine-drill data. Eng & Min J 96:1221 D 27 '13
 Underground blacksmith shops. plan Eng & Min J 96:592-3 S 27 '13
 Use of the microscope in mining engineering. F. W. Apgar. II Am Inst Min E Bul 78:1011-22 Je '13; Discussion. 83:2743-4 N '13
See also Blasting; Boring; Coal mines and mining; Explosives; Electricity in mining; Fault (mining); Hydraulic mining; Iron mines and mining; Mine fires; Mine management; Mine surveying; Mine timbering; Mine ventilation; Mining machinery; Mining schools and education; Ore handling; Ore sampling; Prospecting; Rock drills; Shaft sinking; Tunnels and tunneling

Safety measures

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 Explosion-proof electric equipment for mining service. II plan Eng N 69:356-9 F 20 '13
 Fire protection of mines. J. Taylor. Colliery 34:28-9 Ag '13
 Handling explosives in mines. E. Higgins. Eng M 46:279-81 N '13
 Harvey safety shaft gate. diag Eng & Min J 95:230 Ja 25 '13
 Method of testing Draeger oxygen helmets at the Copper Queen mine. C. A. Mitke. II Am Inst Min E Bul 79:1169-72 Jl '13
 Moving pictures as an aid to mine accident prevention. Colliery 34:97-8 S '13
 New Zealand safety commission report. Eng & Min J 95:841-2 Ap 26 '13
 Preservation of boreholes. Eng & Min J 96:1070 D 6 '13
 Protection of pit ponies. II Colliery 34:169 O '13
 Rules for misfires in blasting. Eng N 70:1227 D 18 '13
 Safe handling of missed holes. Eng & Min J 96:1030-1 N 29 '13
 Safeguarding the use of electricity in mines. H. H. Clark. Am Inst E E Pro 32:848-56 Ap '13; Discussion. 32:2214-22 D '13
 Safety block for inclines. II Eng & Min J 95:516 Mr 8 '13
 Safety catch and bucket release. diag Eng & Min J 95:613 Mr 22 '13
 Safety first. J. Dunlop. Colliery 33:721-2 Jl '13
 Safety gates for shafts. II Colliery 34:162-3 O '13
 Safety in the Lake Superior iron ore mines. E. Higgins. Iron Tr R 53:390-1, 408-10 Ag 28-S 4 '13
 Safety rules—belts, pulleys and shafts. Eng & Min J 96:831 N 1 '13
 Safety rules—conveyances in the shaft. Eng & Min J 96:20-1 Jl 5 '13
 Safety rules—electrical haulage underground. Eng & Min J 96:303-4 Ag 16 '13
 Safety rules—employees underground. Eng & Min J 96:1071-2 D 6 '13
 Safety rules—handling explosives. Eng & Min J 96:448-9 S 6 '13
 Safety rules—hoisting engineers. Eng & Min J 96:115-6 Jl 19 '13
 Safety rules—instructions to foremen. Eng & Min J 96:120 Jl 19 '13
 Safety rules—ladderways. Eng & Min J 96:690 O 11 '13

Safety rules—mining. Eng & Min J 95:1292 Je 28 '13

Safety rules—open pits and abandoned openings. Eng & Min J 96:499-500 S 13 '13
 Safety rules—ropes and sheaves. Eng & Min J 96:788 O 25 '13

Safety rules—the shaft. Eng & Min J 96:67-8 Jl 12 '13

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Safety rules—tracks, cars, trestles, etc. Eng & Min J 96:1121-2 D 13 '13

Use of bucket crossheads. W. J. Roberts. Eng & Min J 96:893 N 8 '13

Mining engineers

Promoting and engineering ethics. W. B. McKinlay. Eng & Min J 96:415-6 Ag 30 '13

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Streets

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 Making a sheet-steel miter-box in the punch press. D. T. Hamilton. II Mach 19:840-2 J1 '13
- Mittenwald railway**
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- Mixers**
 Slicka mixer and distributor. plan Eng & Min J 95:1042 My 24 '13
See also Concrete mixers
- Mobile, Alabama**
 Dredging equipment for harbor maintenance. Eng Rec 67:270 Mr 8 '13
- Model towns**
 Model mining town of Kincaid. map Eng Rec 68:639-40 D 6 '13
- Models**
 Use of models in engineering design. W. M. Torrance. II Eng N 70:1249-50 D 18 '13
See also Mechanical models
- Models, Astronomical.** *See Astronomical models*
Models, Mechanical. *See Mechanical models*
Models, Road. *See Road models*
Modern languages. *See Languages—Study and teaching*
Mohammedan architecture. *See Architecture, Mohammedan*
- Mohawk river**
 Operation of the Mohawk river bridge dams. D. A. Watt. II Eng N 70:282-9 Ag 14 '13
- Molding.** *See Foundry practice*
- Molding machines**
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 Combination jar-ramming stripping machine. II Foundry 41:254 Je '13
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 Molding large mower frames by machine. II Foundry 41:185-6 My '13
 Molding machine for large work, designed by U. S. molding machine co., Cleveland. II Iron Age 92:120 J1 17 '13
 Mumford electric jolt-ramming molding machine. II diag Foundry 41:457 O '13
 New moulding machine for flat work. II Metal Ind n s 11:137-8 Mr '13
 Osborn molding machines. II Foundry 41:458-9 O '13
 Piston molding machine. II Foundry 41:124 Mr '13
 Piston molding machines of International molding machine co., Chicago. II Foundry 41:252-3 Je '13
 To make molding machines most effective. H. W. Lengfelder. Iron Age 91:255 Ja 23 '13
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See also Atoms
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See also Banking law; Foreign exchange; Gold (as money)
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- Monoplanes.** *See Aeroplanes*

Monopolies

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See also Government ownership; Municipal ownership; Trusts

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 Ore deposits at Butte. R. H. Sales. diags Am Inst Min E Bul 80:1523-1626 Ag '13
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Montreal, Canada**Bridges**

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Railroads

- Canadian Northern Montreal terminal. Il map diag Ry Age 55:651-4 O 10 '13

Rapid transit

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See also Tombs

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See also Cement; Concrete; Masonry

Mortuary chapels. See Chapels**Mosquitoes**

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 Mosquito extermination and its problems. E. Winship. Il Eng Rec 67:490-2 My 3 '13;
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Motion

See also Vibration

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Motor boat racing

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Motor boats

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See also Hydroplane boats; Motor barges;

Motor ice boats; Motor ships

Motor buses. See Motor omnibuses**Motor carriages. See Automobiles****Motor cars (railroad)**

- Benzol-electric train for the khedive. F. C. Coleman. Il Sci Am 109:376 N 15 '13

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Motor cars (railroad)—Continued.

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- Gasoline-electric and storage-battery cars. *Elec W* 61:1128-9 My 31 '13
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Storage battery cars

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- Narrow-gage combination car for the Pacific coast railway. *Elec Ry J* 41:899 My 17 '13
- Self-propelled cars. *Il Elec Ry J* 42:624-33 O 4 '13
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- Storage battery car in branch line service. J. H. Tracy. *Ry & Eng R* 53:529 Je 7 '13
- Storage battery car progress. *Il Elec Ry J* 41:938 My 24 '13

Motor cars (street railroad)

- Gas-electric cars for London county council tramways. *Il Elec Ry J* 42:36 JI 5 '13
- Gasoline-electric equipment on London tramways. *Il Ry & Eng R* 53:963 O 11 '13
- Gasoline repair cars on Illinois traction system. *Il Elec Ry J* 41:900 My 17 '13
- Gasoline surface cars in India. *Il Elec Ry J* 41:427 Mr 8 '13
- Single-deck and double-deck prepayment cars for Vienna. *Il plans Elec Ry J* 42:182-4 Ag 2 '13

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Motor carts

New light delivery car. *Il Automobile* 28:1079 My 22 '13

Motor chairs

Motor chair built by a school boy. *Il Sci Am* 109:231 S 20 '13

Motor cycle trucks

Delivery truck of the Harley-Davidson motor co. *Il Automobile* 28:1323 Je 26 '13

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Motor cycles

Electric starters for motorcycles. *Il Elec W* 62:1231 D 13 '13

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See also Motor cycle trucks

Motor fire apparatus. See Fire apparatus, Motor

Motor fire engines. See Fire engines, Motor

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Motor generators and frequency in alternating current railway signaling. *Ry & Eng R* 53:671-3 JI 12 '13

Motor-generators and rectifiers. *Il Automobile* 28:34-6 Ja 2 '13

Motor ice boats

Motoring on ice. *Il Sci Am* 108:172 F 22 '13

Motor omnibuses

Arrival of the bus-versus-tram controversy. *Elec Ry J* 41:614-5 Ap 5 '13

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See also Automobile engines

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See also Automobile engines—Fuel

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See also Automobiles; Cyclecars; Electric trucks; Electric vehicles; Motor boats; Motor cars (railroad); Motor carts; Motor cycle trucks; Motor cycles; Motor ice boats; Motor omnibuses; Motor sleighs; Motor trucks

Motor vessels. See Motor ships**Motorcycle cars. See Cyclecars****Motorcycles. See Motor cycles****Motoring. See Automobiles****Motormen. See Street railroads—Employees****Motors**

See Aeroplane motors; Alcohol motors; Automobile engines; Electric motors; Engines; Gas and oil engines; Locomotives; Machinery; Steam engines; Turbines; Water wheels

Motors, Wave. See Wave motors**Mountain railroads**

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Moving of buildings. See Building moving**Moving picture theaters**

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See also Cinematographs; Kinetophone

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Moving pictures, Talking. See Moving and talking pictures**Moving pictures in industry**

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See also Accounting; Municipal finance

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See also City planning; Municipal centers

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See also City planning; Public buildings

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See also City planning; Pavements; Public comfort stations; Public works; Refuse and refuse disposal; Sanitary engineering; Sewage disposal; Sewerage; Street cleaning; Water purification; Water supply

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See also Municipal accounting; Municipal bonds; Purchasing departments

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See also Street railroads—Franchises

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See also Government regulation of industry; Municipal finance; Municipal ownership; Police

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- Municipal improvements, American society of.**
See American society of municipal improvements
- Municipal law**
 Municipal responsibility for strike damages: digest of briefs in case of Wells Fargo & Co. v. Jersey City. *Elec Ry J* 42:186-7 Ag 2 '13
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 Ordinance regulating weighmaster. *Munic Eng* 45:138-9 Ag '13
See also Building laws; Fire protection; Public health laws
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- Municipal motor trucks.** *See* Motor trucks, Municipal
- Municipal newspapers.** *See* Newspapers, Municipal
- Municipal ordinances.** *See* Municipal law
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 Municipal railway line in Seattle. map *Elec Ry J* 41:753-4 Ap 26 '13
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 Results of an efficiency survey of Los Angeles. *Munic Eng* 45:149-51 Ag '13
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See also Stucco; Tapestry
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 Writing
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See also Piano players
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 Myriawatt. *Power* 38:381-2 S 9 '13
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 Myriawatt. H. G. Stott. *Elec W* 62:92 J1 12 '13
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 Myriawatt as a unit of power. *Elec Ry J* 41:96-7 Ja 18 '13; *Sci Am* 108:112 F 1 '13
 New unit. *Ind Eng* 13:120-1 Mr '13
 Standardization of the myriawatt. H. G. Stott and H. O'Neill. *Am Soc M E J* 35:9-12 F '13; Discussion. 35:21-38, 1235-43 My, Ag '13; *Am Inst E E Pro* 32:1731-7 Ag '13
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See also Electric terminology; Machine tools—Terminology
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 How to repair the Nashville masonry reservoir. plan *Eng N* 69:278-80 F 6 '13
 Nashville reservoir—why it failed and how it will be repaired. R. Hering. plan *Eng Rec* 67:134-5 F 1 '13

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Eng N 70:802-5 O 23 '13
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14 '13
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1013-6 N 1-8 '13
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210 F 11 '13
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Sept., 1913. Power 38:350-2 S 23 '13
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2 F 1 '13
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W 61:1022 My 17 '13
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credits**
Meeting, Chicago, 1913. Ry & Eng R 53:
341 Ap 12 '13
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Action of the 5th National conservation con-
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1913. Dom Eng 63:281-5 Je 7 '13
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1913. Elec W 61:1299-1301 Je 14 '13; Power
37:841-3 Je 10 '13
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Important code change suggested. Elec W
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Co-operation with Am. Elec. Ry. Assn. Elec
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574-6 S 20 '13
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415-6 Ag 30 '13
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Southeastern section; 1st annual convention,
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My 31 '13
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61:1206-9 Je 7 '13; Eng N 69:1243-6 Je 12
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1913. Elec W 62:171-3 Jl 26 '13
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Metal Ind n s 11:230 My '13
4th annual banquet, New York, Feb. 21, 1913.
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W 61:658 Mr 29 '13
17th annual convention, New York, May,
1913. Arch & Bldg 45:205-7 My '13
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- National founders' association**
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27 '13
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Nov. 20. Iron Tr R 53:989-97 N 27 '13
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Rec 33:186 F '13
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- Natural gas.** See Gas, Natural
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See also Conservation of resources; Forests and forestry; Mineral lands; Mines and mineral resources; Reclamation service; Water power
- Natural science.** See Science
- Nature**
Against the sun: spiral twists in nature. A. H. Kennedy. Il Sci Am S 75:396-7 Je 21 '13
Harnessing nature? Sci Am 108:304 Ap 6 '13
See also Science
- Nautical surveying.** See Hydrographic surveying
- Naval aeronautics.** See Aeronautics, Naval
- Naval architects and marine engineers.** See Society of naval architects and marine engineers
- Naval architecture**
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Imperator; details of the equipment. Il Eng M 44:107-9 O '12
Mail and passenger steamship Kyle for Newfoundland. F. C. Coleman. Il plan Int Marine Eng 18:292-3 Jl '13
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Old Dominion line's freight steamer Tyler. Il plans Int Marine Eng 18:369-74 S '13
Old-time war vessel, Wolverine, on the Great Lakes. N. Wilber and L. Isaacs. Il plans Int Marine Eng 18:524-30 D '13 (to be cont)
Protection of ocean liners by subdivision. Il Sci Am 108:356 Ap 19 '13
Single screw molasses tank steamer Amolco. plans Int Marine Eng 18:378-82 S '13
Stern recess wheel steamer Osceola. plan Int Marine Eng 18:481-3 N '13
Unsinkable ship. Sci Am 109:486 D 27 '13
See also Freight ships; Motor ships; Shipbuilding; Ships, Iron and steel; Steamboats; Training ships; Warships
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Battleship drill indoors: how New York trains her naval militia. Il Sci Am 109:29 Jl 12 '13
See also Aeronautics, Naval; Armor plate; Navigation; Submarine boats; Warships
- Naval artillery.** See Naval guns
- Naval boilers.** See Boilers, Marine
- Naval gunnery.** See Gunnery
- Naval guns**
Anti-destroyer guns. S. G. Koon. diag Int Marine Eng 18:237-8 Je '13
Cycle in naval gun construction. Sci Am 109:374 N 15 '13
Guns for submarines. A. Gradenwitz. Il Sci Am 108:222 Mr 8 '13
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See also Warships
- Navigation**
Aspects of transportation: ocean transportation. J. E. Kuhn. Sci Am S 76:166-7 S 13 '13
Chain fenders for the Panama canal: details of the hydraulically operated devices for bringing ships to rest. Il plan Iron Age 92:294-6 Ag 7 '13
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Experiments on "suction" between passing vessels. A. H. Gibson and J. H. Thompson. diags Sci Am S 76:269-72 O 25 '13
Factors in channel design. Eng Rec 67:242-3 Mr 1 '13
Iceberg indicator. Il Sci Am 108:584 Je 28 '13
Perils of navigation on the Hudson Bay route. Eng N 69:222-3 Ja 30 '13
See also Aeronautics; Buoys; Ferryboats; Harbors; Hydroaeroplanes; Hydrographic surveying; Launching; Lifeboats; Light-houses; Motor boats; Safety at sea; Ship propulsion; Shipbuilding; Shipping; Steamboats; Submarine boats; Yachts
- Navigation laws.** See Maritime law
- Navigation of rivers.** See Rivers, Right of navigation of
- Nebraska**
Antiquities
Prehistoric dwelling in Nebraska: a cannibal charnel house unearthed. R. F. Gilder. Il Sci Am S 76:220 O 4 '13
- Nebraska master plumbers' association**
4th annual convention at Fremont, Feb., 1913. Dom Eng 62:254-7 Mr 1 '13
- Needlework**
See also Beadwork
- Negligence**
Criminal prosecution of careless railway employees in Great Britain. H. R. Wilson. Eng N 70:886-7 O 30 '13
See also Workmen's compensation
- Neon**
Appearance of helium and neon in vacuum tubes. J. J. Thomson. Sci Am S 75:150 Mr 8 '13
Birth of the atom: has matter been synthesised. Sci Am S 75:154-5 Mr 8 '13
Development of neon tubes. G. Claude. Eng M 46:271-4 N '13
Has matter been synthesised? J. W. N. Sullivan. Sci Am 108:226 Mr 8 '13
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Synthetic tannin. Sci Am S 76:147 S 6 '13
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Location of neutral axis in curved or bent beams. J. P. Shamberger. Eng Rec 68:590 N 22 '13
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Report for 1912. Eng & Min J 95:896 My 3 '13
- New Bedford, Massachusetts**
Past century charm of New Bedford. G. N. Rosé. Il Arch Rec 33:424-33 My '13
- Sanitary affairs**
Sewage disposal at New Bedford, Mass. W. N. Charles. plans Eng N 70:216-9 Jl 31 '13

New England

Railroads in New England. H. Elliott. Ry Age 55:615-6 O 3 '13

New England street railway club

Meeting, Boston, May 22, 1913. Elec Ry J 41:973-4 My 31 '13
Monthly meeting, Feb. 26, 1913. Elec Ry J 41:369 Mr 1 '13
Relation of the chemist to the electric railway. Elec Ry J 42:1142-3 N 29 '13
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Abstracts of some papers presented at 32d annual convention, in Philadelphia, September, 1913. Eng Rec 68:289-91 S 13 '13
32d annual convention, Philadelphia, Sept., 1913. Eng N 70:567-8 S 18 '13

New Geneva, Pennsylvania**Bridges**

Erecting the New Geneva bridge. II plan Eng Rec 67:456-60 Ap 26 '13

New Haven and Hartford railroad. See New York, New Haven and Hartford railroad

New Jersey**Law**

Anti-injunction bill in New Jersey. J. A. Emery. Am Ind 13:9-11 Ap '13
New Jersey state license law for engineers. Power 37:618-9 Ap 29 '13

Sanitary affairs

Uniformity in sewer plans: New Jersey state board of health's new regulations. Eng Rec 68:273-4 S 6 '13

New Jersey and Pennsylvania traction company

Increase in fare ordered by New Jersey commission. Elec Ry J 41:324-5 F 22 '13

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New Orleans, Louisiana

Street sanitation in New Orleans. G. S. Smith. II Munic Eng 44:160-2 F '13

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New York (city)

Dock problem in New York. F. K. Thomson. map Eng Rec 68:167 Ag 9 '13

Architecture

Aeolian hall. II plans Arch & Bldg 45:25-9 Ja '13

Court house award. II Arch Rec 33:469-70 My '13

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New U. S. post office building for New York. II Arch & Bldg 45:155-61 Ap '13

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Proposed restrictions for heights of buildings in New York. Eng Rec 68:659-60 D 13 '13

Sculptor of monumental architecture: work of Adolph A. Weinman. C. H. Dorr. II Arch Rec 33:518-32 Je '13

Towers of Manhattan and notes on the Woolworth building. M. Schuyler. II Arch Rec 33:98-122 F '13

See also New York (city)—Grand Central station; Washington Irving high school; Woolworth building, New York

Bridges

Costly lack of co-ordination. Sci Am 109:158 Ag 30 '13

Organization and equipment for maintenance, operation, inspection, repair and renewal of East river bridges, N. Y. plans Eng Rec 67:98-101 Ja 25 '13

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Proposed Hudson river bridge: present necessity for highway and railway bridge at New York city. G. Lindenthal. Eng M 44:779-81 F '13

Churches

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Steel framework of St. Jean Baptiste church. II plans Eng Rec 68:433-6 O 18 '13

Study in church decoration: the Paulist fathers church. C. H. Dorr. II Arch Rec 33:187-203 Mr '13

Description

Vanishing New York. II Arch Rec 34:480-1 N '13

Finance

Suggested salary schedule for New York city engineering employees. Eng N 69:110-1 Ja 16 '13

Grand Central station

Columns in the new Grand Central terminal. plans Eng Rec 67:125-6 F 1 '13

Concourse roof, Grand Central terminal, New York city. plans Eng Rec 67:210-1 F 22 '13

Girders in the Grand Central terminal. plans Eng Rec 67:78-80 Ja 18 '13

Grand Central terminal building. II Arch & Bldg 45:140-54 Ap '13

Grand Central terminal, New York city. II Ry & Eng R 53:77-8 Ja 25 '13

Grand Central terminal, New York: description of details. II plans Ry Age 54:279-84 F 14 '13

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Opening of the new Grand Central terminal. II Eng Rec 67:144-8 F 8 '13

Sewage ejectors in Grand Central terminal. J. Graham. Dom Eng 63:180-1 My 17 '13

Harbor

Dock problem in New York. F. K. Thomson. map Eng Rec 68:167 Ag 9 '13

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New York pier problem settled. Sci Am 108:150 F 15 '13

Solving New York's pier problem with the model basin and the moving picture. Sci Am 108:392 My 3 '13

Hotels

Electrical equipment of a modern hotel; artistic and efficient lighting scheme in McAlpin hotel, N. Y. II Elec W 61:927-30 My 3 '13

Hotel McAlpin. II plan Arch & Bldg 45:43-61 F '13

New York's newest hotel: Hotel McAlpin. D. E. Tarn. II Arch Rec 33:231-41 Mr '13

Law

Revision of New York city's building code. Eng Rec 67:482-3 My 3 '13

Officials and employees

Engineers as heads of New York city departments. Eng N 70:1045-6 N 20 '13

Engineers as municipal department heads. Eng Rec 68:585-6 N 22 '13

Politics and government

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How the New York purchasing system was established. F. X. A. Purcell. Munic Eng 45:430-4 N '13

New York (city)—Continued.**Post office**

Heating and ventilating details of the New York general post-office. *Il* plans Heat & Ven 10:11-20 Mr '13

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Public buildings

New York city's power problem. A. D. Blake. *Il* plan Power 38:286-90 Ag 26 '13

Railroads

New York's freight terminal problem. map Ry Age 54:843-5 Ap 11 '13

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Suggestion for suburban traffic. *Sci Am* 109:26 J1 12 '13

See also New York (city)—Grand Central station

Rapid transit

Building a four-track tunnel beneath Broadway, New York. *Sci Am* 108:154 F 15 '13

Building Harlem river subway tubes. *Il* diags Eng Rec 68:390-1 O 4 '13

Contracts signed for New York subways. Ry & Eng R 53:260-2 Mr 22 '13

Costly lack of co-ordination. *Sci Am* 109:158 Ag 30 '13

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Example of good publicity in statement of N. Y. railways co. Elec Ry J 41:281 F 15 '13

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New York subway operating contracts approved. Elec Ry J 41:433-4 Mr 18 '13

Progress of the dual subway system. Ry & Eng R 53:1038-9 N 8 '13

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Bridges

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Law

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See also Engineers—Licenses

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- New York Central & Hudson River R. R.—Cont.**
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 Pennsylvania and the New York Central: comparison of revenues and expenses. map Ry Age 54:442-5 Mr 7 '13
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- New York connecting railroad**
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- New York conservation commission**
 New York hydroelectric development. R. P. Bolton. Elec W 61:786-7 Ap 12 '13
 New York hydroelectric plans. A. Williams. Elec W 61:711-2 Ap 5 '13
 New York state hydroelectric scheme. maps Elec W 61:33-6 Ja 4 '13
 Second N. E. L. A. analysis of New York hydroelectric plans. Elec W 61:659-60 Mr 29 '13
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 Meeting, Feb. 17, 1913. Elec W 61:387 F 22 '13
- New York, New Haven & Hartford railroad**
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 Hearing concerning protection of employees on New Haven. Elec Ry J 42:459 S 20 '13
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 Investigation by Interstate commerce commission. Ry & Eng R 53:382-3 Ap 26 '13
 Latest and worst New Haven railway disaster. II Eng N 70:520-3 S 11 '13
 New Haven collision of Sept. 2, 1913; abstract of report of the Interstate commerce commission. Ry & Eng R 53:913-7 S 27 '13
 New Haven officers' salutatory. Ry Age 55:565-6 S 26 '13
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 Revenues and expenses. map Ry Age 55:944-6 N 21 '13
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 Train wrecks and hasty legislation. Ry & Eng R 53:846-7 S 6 '13
 Washington comment on New Haven wreck. Ry & Eng R 53:845 S 6 '13
- New York public service commissions**
 Engineer members for the New York public service commissions. Eng N 69:271-2 F 6 '13
 Safety measures adopted for First district of New York. Elec Ry J 41:821-2 My 3 '13; Same. Elec W 61:975-6 My 10 '13; Same. Eng N 69:1131-2 My 29 '13
- New York railroad club**
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- New York railways association**
 16th annual report, 1912. Elec Ry J 41:164-5 Ja 25 '13
- New York state association of master plumbers**
 Annual convention at Buffalo, Mar. 1913. Dom Eng 62:338-45 Mr 22 '13
- New York state barge canal**
 Bank strengthening on the New York barge canal. plan Eng N 69:1284-5 Je 19 '13
 Barge canal crossing of Oak Orchard creek, Medina, N. Y., N. E. Whitford. plans Eng N 70:192-6 JI 31 '13
 Barge canal locks at Lockport, N. Y. E. Low. II plan Eng Rec 67:661-3 Je 14 '13
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 Effect on commerce. Eng Rec 68:559-60 N 15 '13
 Hydraulic dredging on New York barge canal. E. Low. II plan Eng N 69:710-20 Ap 10 '13
 Operation of the Mohawk river bridge dams. D. A. Watt. II Eng N 70:282-9 Ag 14 '13
 Present stage of construction on the New York state barge canal. E. Low. Eng N 70:561 S 18 '13
 Present status of the New York state barge canal. Eng N 69:181-2 Ja 23 '13
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- New York Times**
 Up-to-the-minute pressroom. S. H. Horgan. II Inland Ptr 50:884 Mr '13
- New York, Westchester & Boston railway**
 Westchester railway electric traction. II diag Eng N 69:1208-17 Je 12 '13
 Westchester railway line and structures. II map Eng N 69:1153-7 Je 5 '13
- Newark, New Jersey**
Bridges
 Difficulties in placing the substructure for a swing bridge. plans Eng Rec 67:268-9 Mr 8 '13
Rapid transit
 Proposed street railway terminal for Newark. II plans Elec Ry J 41:246-7 F 8 '13
 Public service publicity work in Newark. Elec Ry J 41:806-8 My 3 '13
- Newburyport, Mass.**
Bridges
 Reconstruction of the old chain bridge. E. C. Sherman. II plans Eng N 70:585-7 S 25 '13
- Newfoundland fisheries**
 French fisheries on the Newfoundland banks. Sci Am 109:78 JI 26 '13
- News stands**
 Regulation of news stands on sidewalks. Munic Eng 44:521-2 Je '13
- News writers' unions**
 Tightening the grip on the newspapers. Am Ind 13:15 F '13
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 Alternating-current drive of a newspaper plant, Jersey City, N. J. A. B. Spaulding. II Elec W 62:239 Ag 2 '13
 America possesses the oldest English newspaper. S. H. Horgan. II Inland Ptr 52:109-10 O '13
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See also Advertising; House organs; Journalism; News writers' unions; Trade papers

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 Report on weir in the Niagara river. map Eng Rec 68:206-8 Ag 23 '13

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 Equipment and management of nickel baths. S. W. Rowsbar. Foundry 41:16-7, 59-60, 105-6 Ja-Mr '13
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 Nitrogen-filled lamps. See Electric lamps, Tungsten

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Non-conductors. See Dielectrics; Insulation**North Carolina****Industries and resources**

- Pyrophyllite in North Carolina. C. Hafer. In Eng & Min J 96:623-5 O 4 '13

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- 6th annual convention, Seattle, Wash., Sept., 1913. Elec W 62:523-4 S 13 '13

Northwestern cedarmen's association

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Northwestern Pacific railroad

- Extension closing the 100-mile gap between San Francisco and Eureka. In map Eng Rec 68:664-5 D 13 '13

Notation, Engineering. See Engineering notation**Nurses and nursing**

- Interest in employees beyond the works. Iron Age 91:834-5 Ap 3 '13
 Trained nurse in welfare work. Iron Tr R 52:915-6 Ap 17 '13

- Nut planing machine, Sextuple. R. Grimeshaw. diag Mach 20:307 D '13

Nuts (machinery). See Bolts and nuts**O****Oak**

- Experiments in the preservative treatment of red-oak and hard-maple crosssties. F. M. Bond. In U S Forest Serv Bul 126:9-92 '13

- Harvesting tan bark. S: J. Record. In Sci Am S 75:409 Je 28 '13

Oakland, California

Municipal quay wall. T. E. Risley. map plan Eng N 69:304-6 F 13 '13

Harbor

Hydrographic surveying; Oakland harbor development. F. W. Johnson. II map Eng N 70:362-4 Ag 21 '13

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Design and construction of Oakley dam. II Eng Rec 67:32-4 Ja 11 '13

Occupations

See also Business; Vocational training
Diseases and hygiene

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See also Dust; Factory sanitation; Lead poisoning; Mine sanitation; Safety devices

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See also Hydrographic surveying; Icebergs; Navigation; Ocean temperature; Sea walls; Tide power

Ocean temperature

Autograph of an iceberg. L. E. Browne. II Sci Am 109:490 D 27 '13

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Ocean terminals. See Ports; Terminals**Ocean travel**

See also Fires at sea; Safety at sea; Steamboats

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Fidelity trust building extension. Eng Rec 67:411-2 Ap 12 '13

Guaranty trust company's new building. New York city. E. W. Stern. II plans Eng N 70:258-62 Ag 7 '13

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Plumbing and heating in L. C. Smith building, Seattle. Dom Eng 65:344-5 D 13 '13

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Windbracing without diagonals for steel-frame office-buildings. R. Fleming. Eng N 69:492-6 Mr 13 '13

Wiring of the Bankers' trust building, N. Y. II Elec W 61:1407-10 Je 28 '13

See also Woolworth building

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Ohio**Law**

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Oil. See Oils and fats; Petroleum**Oil burners**

Burners for oil fuel. R. T. Strohm. diags Elec W 62:342-3, 437-8 Ag 16, 30 '13

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Oil circuit breakers. See Electric circuit breakers**Oil delivery cars**

Chicago railways oil house and oil delivery car. plans Elec Ry J 41:548-9 Mr 23 '13

Oil drip-cups

Device for emptying oil drip-cups. R. W. Dickinson. diag Mach 19:51 S '12

- Oil engines.** See Gas and oil engines
- Oil fuel.** See Petroleum as fuel
- Oil heaters**
Pumping and heating of oil fuel. R. T. Strohm. *diags Elec W* 62:650-2 S 27 '13
- Oil house.** See Oil storage
- Oil piping.** Care of. L. Grandmontague. *il Pow-er* 37:537-8 Ap 15 '13
- Oil-piping layout for transformers using thin oil.** F. Buch. *plans Elec W* 61:360-2 F 16 '13
- Oil separators**
Garage men protest against separators: regulations of Municipal explosives commission. *plan Automobile* 28:695 Mr 20 '13
- Oil-spraying machine for track.** *diag Eng Rec* 68:316 S 20 '13
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Storage of oil fuel. R. T. Strohm. *diags Elec W* 62:1277-9 D 20 '13
- Oil switches.** See Electric transformers
- Oil testing**
Handling, sampling and testing of transformer oil. G. E. Armstrong. *Elec W* 62:1322-4 D 27 '13
Testing oil at home. *il Automobile* 28:355-6 Ja 30 '13
Testing oils for sulphur. W. Pattern. *Power* 37:626-7 My 6 '13
- Oil wells.** See Petroleum
- Oils and fats**
Hardening fats by catalysis. *Sci Am* 109:29 JI 12 '13
Hardening liquid fats by hydrogenation: solid products from oils. *Sci Am S* 75:71 F 1 '13
See also Linseed oil; Lubrication and lubricants; Petroleum
- Oklahoma**
Industries and resources
Oklahoma gypsum deposits and industry. L. C. Snider. *il map Eng & Min J* 95:931-3 My 10 '13
- Old age homes**
Colburn memorial home for the aged, New Rochelle, N. Y. A. E. Davis. *il plans Arch & Bldg* 45:372-3 S '13
- Old age pensions.** See Pensions
- Oleoresins**
Examination of the oleoresins of some western pines. A. W. Schorger. *il U S Forest Serv Bul* 119:1-36 '13
- Olympic (steamship)**
Reconstruction of the Olympic. *il Sci Am* 108:67 Ja 18 '13
- Omaha, Nebraska**
Tornado, 1913
Omaha and Terre Haute tornadoes. *il Elec Ry J* 41:638-9 Ap 5 '13
Tornado of March 23. *il map Eng N* 69:690-2 Ap 3 '13
- Omnibuses, Motor.** See Motor omnibuses
- Onnes, Kamerlingh, 1853-**
Nobel prize winner. *por Sci Am* 109:494 D 27 '13
- Opacimeter**
Integrating opacimeter for stellar photography. J. Boyer. *il Sci Am* 109:124 Ag 16 '13
- Open air schools**
Architecture of open air schools. J. R. Van Pelt. *Heat & Ven* 10:41-2 S '13
- Open hearth process**
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See also Steel metallurgy
- Optical illusions**
Optical illusions; trust not your eye. *il Sci Am* 108:227 Mr 8 '13
Optical phenomena seen from balloons. C. F. Talman. *il Sci Am* 108:542 Je 14 '13
Seeing under water. *il Sci Am* 108:469-70 My 24 '13
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See also Microscope and microscopy; Reflection (light); Spectroscope; Telescope
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- Orders of architecture**
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- Ordinance.** See Artillery; Guns; Naval guns
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New type of stock bin. *il Iron Tr R* 53:734 O 23 '13
Ore stock bin installation. *il Iron Age* 92:908 O 23 '13
Reinforced-concrete tallings bin. *plan Eng & Min J* 96:305-6 Ag 16 '13
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Extralateral rights to quartz veins. *Eng & Min J* 96:537-43 S 20 '13
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Ore occurrence at Prince Consolidated mine at Pioche, Nevada. E. R. Zallinski. *il Eng & Min J* 95:809-12 Ap 19 '13
Relation of outcrops to ore at Cananea. M. J. Elsing. *Eng & Min J* 95:357-62 F 15 '13
Replacement deposits in the Ajax mine, Colo. E. A. Colburn, jr. *plan Eng & Min J* 95:739-41 Ap 12 '13
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See also Copper ores; Iron ores; Mineral lands; Mines and mineral resources
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Handling ore from the Cuyuna range. *il plans map Iron Tr R* 53:729-33 O 23 '13
New lake ore docks construction. *Iron Age* 91:109 Ja 2 '13
Reinforced-concrete ore docks. *il Eng N* 69:8-15 Ja 2 '13
Steel and concrete ore dock at Presque Isle, Mich. *il Iron Tr R* 52:207-9 Ja 16 '13
See also Ore handling
- Ore dressing.** See Ore treatment
- Ore handling**
Federal gable-bottom ore car. *diags Eng & Min J* 95:17 Ja 4 '13

Ore handling—Continued.

- Handling material in Lake Superior rock houses. Eng & Min J 95:947-8 My 10 '13
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 Iron ore loading plant in Norway near Narvik. II Iron Age 92:849 O 16 '13
 Lines of the U. S. steel corporation from the Minnesota mines to the Pittsburgh mills. II map Ry Age 55:486-92 S 19 '13
 Motor truck ore haulage in Arizona. C. L. Edholm. II Eng & Min J 95:1177-8 Je 14 '13
 Mucking in a flat vein. diag Eng & Min J 96:214 Ag 2 '13
 Reinforced-concrete ore docks. II Eng N 69:8-15 Ja 2 '13
 Reinforced-concrete tailings bin. plan Eng & Min J 96:305-6 Ag 16 '13
 Rock house of Quincy mining co. T. C. Desoller. plan Mines & Min 33:325-7 Ja '13
 Steel and concrete ore dock at Presque Isle, Mich. II Iron Tr R 52:207-9 Ja 16 '13

Ore sampling

- Calculation of extraction in cyanidation. H. A. Megraw. Eng & Min J 96:441-4 S 6 '13
 Calculation of extraction in cyanidation. G. Simpson, Jr. Eng & Min J 96:1230 D 27 '13
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Ore transportation

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See also Mine haulage; Ore handling

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 Slater lixiviation process. H. B. Slater. Eng & Min J 96:1133-4 D 13 '13

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 Solution meter at the Belmont mill. C. S. McKenzie. *diags Eng & Min J* 96:165-6 J1 26 '13
 Sorting belts used in Rand breaking plants. *Eng & Min J* 95:21-2 Ja 4 '13
 Types of Rand sorting tables. *diags Eng & Min J* 95:279-80 F 1 '13
Woodbury slime classifier. E. T. Wright. *plan Colliery* 33:397-8 F '13
Zinc-dust precipitation at Cerro Prieto, Sonora, Mexico. H. S. Munroe. *II Eng & Min J* 95:1085-6 My 31 '13
See also Briquets (iron); Centrifugal machines; Classifiers; Copper metallurgy; Cyanide process; Electrometallurgy; Flotation process; Gold metallurgy; Gold milling; Iron metallurgy; Lead metallurgy; Magnetic separation of ores; Metallurgy; Screening; Smelting; Stamp mills; Tin Metallurgy; Zinc metallurgy
- Oregon electric railway**
 Line with observation and sleeping cars between Portland and Eugene. *II map Elec Ry J* 41:1050-6 Je 14 '13
- Oregon electrical contractors' association**
 Report of 1st annual convention, 1912. *Elec W* 61:32 Ja 4 '13
- Oregon shore line railroad**
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- Ores**
Ores amenable to cyanidation. H. A. Megraw. *Eng & Min J* 96:629-3 O 4 '13
 Railroads change ore rates. *Iron Tr R* 53:351-3 Ag 21 '13
See also Assaying; Copper ores; Geology; Economic; Iron ores; Metallurgy; Metals; Mineralogy; Mines and mineral resources; Ore deposits; Ore treatment
- Organization, Engineering. See Engineering organization**
- Organization in industry**
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See also Engineering organization; Railroads—Management
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- Osmond, Florida, 1849-1912**
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Railroads
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Water supply
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 Reservoir regulation for the Ottawa river. E. Low. *Eng N* 69:25 Ja 2 '13
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 Overhead cost in the plumbing business. R. H. Pflug-Felder. *Dom Eng* 64:332-3 S 20 '13
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 Oxy-acetylene welding and cutting in European commercial and railway repair establishments. H. W. Jacobs. *II Ry Age* 54: 475-8 Mr 14 '13
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 Scrapping locomotive boilers with the oxy-acetylene torch. P. Pleiss. *II Ry Age (Mech ed)* 87:602-3 N '13
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- Oxygen, Compressed**
 Valve safeguarding the feed of oxygen from high-compression bottles. *diags Automobile* 29:506-7 S 18 '13
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Packing

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 Condenser packing tool. II Int Marine Eng 18:136-7 Mr '13
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Packing boxes. See Box making**Packing for shipment**

- Packing merchandise for the tropics. Am Ind 14:33 Ag '13

Packing houses

- Electricity in the packing industry. W. D. Bearce. II Elec W 61:466-70 Mr 1 '13
See also Packing industry

Packing industry

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See also Packing houses

Paint

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Paint brushes

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Paint shops

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 Paint shop at Sedalla. II Ry Age (Mech ed) 87:483-4 S '13
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Painting, Structural

- Baked enamel for painting steel cars. II Elec Ry J 41:686-7 Ap 12 '13
 Baked enamel painting on the cars of Hudson & Manhattan railroad. II Elec Ry J 41:146-9 Ja 25 '13
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 Estimating amount of red lead paint for steel work. C. M. Chapman. Eng Rec 67:191 F 15 '13
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Painting, Submarine

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Paints. See Paint**Paints, Protective. See Painting, Structural****Palladium**

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Panama-California exposition. See San Diego—Panama-California exposition**Panama canal**

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 Architecture on the Panama canal—a suggestion. II Sci Am 108:136 F 8 '13
 Artistic character of Panama canal structures. Eng Rec 68:412-3 O 11 '13
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Panama canal—Continued.

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 Recent photographs of the Panama canal work. *Il Eng N* 70:666-8 O 2 '13
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Locks

- Adjustment of devices at hinge, miter ends and sills of Panama canal locks gates to prevent leakage. *plans Eng N* 70:744-5 O 16 '13
 Centralized electrical control systems for Panama locks. *Il Eng Rec* 68:730-1 D 27 '13
 Control equipment for the Panama canal locks. *Il Elec W* 62:1317-20 D 27 '13
 Erection of Panama canal lock gates assembling 630-ton gates with overhead locomotive cranes. *Il diags Eng Rec* 68:513-5 N 8 '13
 Lock gates for the Panama canal. *Il plan Eng Rec* 67:228-31 Mr 1 '13
 Operating-control system of the Panama canal locks. *Il diag Eng N* 70:1323-9 D 25 '13

Tolls

- Amend the Panama canal act. *Sci Am* 108:82 Ja 25 '13
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Sanitary affairs

- Panama water-supply and purification system. A. T. Nabstedt. *Il plan Eng N* 70:650-5 O 2 '13

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See San Francisco. Panama Pacific international exposition, 1915**Pan-American railway**

- Honduras link of the Pan-American railroad. E. Perry. *Eng M* 46:333-40 D '13

Pan American Union

- Pan American Union and its annex, Washington. D. C. C. M. Price. *Il plans diags Arch Rec* 34:385-457 N '13

Pantagraph

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Labor and Industry, Dept. of

Safety progress in Pennsylvania. L. R. Palmer. *Iron Age* 92:942-3 O 23 '13

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Our latest battleship Pennsylvania. *Il Sci Am* 108:173 F 22 '13

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Pennsylvania railroad

Grade elevation and six-tracking at Rahway, N. J. J. J. Vail. *Il plans Eng N* 70:1118-21 D 4 '13

Improvements and betterments. Ry & Eng R 53:250-1 Mr 15 '13

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Pennsylvania railroad company apprentice schools. J. P. Jackson and J. W. L. Hale. *Am Inst E E Pro* 32:1433-9 Je '13

Railroad signal systems: the Pennsylvania's method. A. H. Rudd. *Eng M* 46:102-5 O '13

Safety first exhibit. *Il Elec Ry J* 42:934-5 O 25 '13

Safety in operating methods. Ry & Eng R 53:1017-8 N 1 '13

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Pensions

Age limit in pension benefits. Ry Age 54:980 My 2 '13

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Pension plan for the machinery industry. W. Lodge. *Iron Age* 91:948-9 Ap 17 '13

Same. *Ind Eng* 13:283-4 J 1 '13

Pension plan for workmen proposed by Wm. Lodge. *Iron Tr R* 52:870-2 Ap 10 '13

Pension system announced by San Francisco-Oakland terminal railways. *Elec Ry J* 41:47-8 Ja 4 '13

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Revised pension plan: funding provision upon actuarial calculations for each employee over and above present wage, due upon separation from service. A. deRoode. *Eng M* 45:728-30 Ag '13

Penstocks

Puntledge river power development, Vancouver, B. C. *Il plans Eng N* 70:793-801 O 23 '13

Pentagram

To strike the pentagram. D. Jones. *Sci Am* 109:429 D 6 '13

To strike the pentagram. J. P. Robinson. *diag Sci Am* 109:394 N 22 '13

Peoria, Illinois**Bridges**

Erecting Illinois river bridge at Peoria. *Il Eng Rec* 67:657 Je 14 '13

Streets

Pavements in Peoria, Ill. J. B. Jeffries. *Il Munic Eng* 44:437-9 My '13

Periodicals

See also House organs; Trade papers

Indexes

Methods of increasing the use of technical literature. L. B. Krause. *Eng Rec* 67:544-5 My 17 '13

- Perishable freight.** See Freight, Perishable
- Perkin medal**
Presentation of the Perkin medal to James Gayley. *Met & Chem Eng* 11:71 F '13
- Pernanganates**
Determination of manganese as sulphate and by the sodium bismuthate method. W: Blum. *U S Bur Stand Bul* 8:715-40 Mr 1 '13
- Peroxides**
Peroxides and per-salts. A. S. Neumark. *Il Sci Am S* 75:182-3, 200-1, 221-3 Mr 22-Ap 5 '13
- Perpetual motion**
Story of the Keeley motor hoax. H. D. Jones. *Il Sci Am* 108:473 My 24 '13
- Persalts**
Peroxides and per-salts. A. S. Neumark. *Il Sci Am S* 75:222-3 Ap 5 '13
- Personal injuries**
Commission for the trial of personal injury cases. A. J. Falknor. *Elec Ry J* 42:137-8 Jl 26 '13
Court procedure in the trial of personal injury cases. H. Allen. *Elec Ry J* 42:139-40 Jl 26 '13
Legislation changing court procedure in the trial of personal injury cases. C. H. Winders. *Elec Ry J* 42:137 Jl 26 '13
- Peru**
Economic and commercial situation in Peru. C: M. Pepper. *Il Iron Age* 92:1097-1100 N 13 '13
- Petrography**
Microscopy in economic geology. R: Beck. *Eng & Min J* 95:1087-9 My 31 '13
See also Rocks
- Petroleum**
Byron oil field of Wyoming. A. P. Rogers. *Eng & Min J* 95:869 N 8 '13
Cementing off water in oil wells. *Eng & Min J* 95:754 Ap 12 '13
Characteristics and differentiation of native bitumens and their residuals. J. R. Drancy. *Eng Rec* 67:675 Je 14 '13
Characteristics and differentiation of native bitumens and their residuals. C. Richardson. *Eng Rec* 67:466-8 Ap 26 '13
Fuel production in the United States: present consumption and future supply. R. H. Byrd. *Il Sci Am* 109:10 Jl 5 '13
Gasoline and kerosene situation. J: A. Secor. *Sci Am* 108:459 My 17 '13
Interference between oil and gas wells and coal mines. *Eng N* 69:450-3 Mr 6 '13
Louisiana petroleum industry. H. S. Reavis. *Eng & Min J* 95:170 Ja 18 '13
Manufacture of petroleum products. F. C. Robinson. *Il Met & Chem Eng* 11:389-94 Jl 13 '13
Mexico a source of fuel. *Automobile* 28:566 F 27 '13
Notes from the Mid-Continental oil field. E. Haworth. *Eng & Min J* 96:628 O 4 '13
Oil industry of California. *Eng N* 69:254-6 F 6 '13
Optical activity of petroleum and its significance; new light on the nature and origin of mineral oil. F. W. Bushong. *Sci Am S* 76:86-7 Ag 9 '13
Petroleum explorations in Colombia. *Il Eng & Min J* 95:749-50 Ap 12 '13
Petroleum in Texas in 1912. H. S. Reavis. *Eng & Min J* 95:169-70 Ja 18 '13
Petroleum in the United States. *Eng & Min J* 95:152-8 Ja 11 '13
Problem of the world's oil supply. *Sci Am* 108:325 Ap 5 '13
Proposed German government oil monopoly. *Eng & Min J* 95:432 F 22 '13
Recent oil developments in Texas and Louisiana. W. E. Wrather. *Eng & Min J* 96:1607-8 N 29 '13
Russian petroleum industry. *Eng & Min J* 95:158 Ja 11 '13
World's fuel-oil production. J. J. McIntosh. *Il Power* 38:215-7 D 30 '13
See also Gas; Gasoline; Kerosene; Liquid fuel
- Petroleum as fuel**
Cleaning of oil fuel. R. T. Strohm. *diags Elec W* 62:545-7 S 13 '13
Crude oil for the assay furnace. W. G. Hall-dane. *diag Eng & Min J* 96:1073-4 D 6 '13
Developments in oil fuel burning. E. H. Peabody. *Il Int Marine Eng* 18:14-7, 60-4, 112-4 Ja-Mr '13; Same cond. *Power* 37:205-8, 244-6 F 11-18 '13
Exhaust gases from oils and gas fuels. J. C. Smallwood. *Power* 38:682-3 N 11 '13
Experiments with an oil-burning shaft furnace. A. L. Waters. *Il Eng & Min J* 96:203-5 Ag 2 '13
Fuel oil for the navy. *Eng & Min J* 96:1105-6 D 13 '13
Fuel oil installations, Northern Pacific Ry. plans Ry & Eng R 53:203-4 Mr 8 '13
Fuel oils for use in marine Diesel engines. *Il Int Marine Eng* 18:104-5 Mr '13
Fuels for heavy-oil engines. I. C. Allen. *Eng M* 45:886-8 S '13
Heating fuel oil. *diags Eng & Min J* 95:376 F 15 '13
Heavy oil as fuel for internal-combustion engines. I. C. Allen. *Ind Eng* 13:392-5 S '13; Same. *Sci Am S* 76:326-7 N 22 '13
Liquid fuel and ship propulsion. *Eng Rec* 68:423 O 18 '13
Of nation-wide importance. *Sci Am* 109:62 Jl 26 '13
Oil as a fuel. R. Trauttschold. *Power* 37:316-9 Mr 4 '13
Oil as a supplementary fuel in steam power-plants. R. Trauttschold. *Il Eng M* 45:695-700 Ag '13
Oil for internal-combustion engines. *Power* 38:15-6 Jl 1 '13
Oil fuel for destroyers and battleships. *Power* 37:145-6 F 4 '13
Oil fuel for steam boilers. R. T. Strohm. *Elec W* 62:700-2 O 4 '13
Oil-fuel problem. *Power* 37:749-50 My 27 '13
Oil vs. coal for fuel. *Power* 37:396-7 Mr 18 '13
Performance of a 450-hp. boiler with oil fuel. A. L. Menzin. *Il diags Eng N* 69:1124-6 My 29 '13
Purchasers' tests of crude fuel oil. W. B. Perkins. *Il Power* 38:259-60 Ag 19 '13
Requirements for efficient burning of oil fuel. R. T. Strohm. *Il Elec W* 62:145-6 Jl 19 '13
Use of fuel oil. J: Pierce. *Power* 37:682 My 13 '13
Word of warning: navies and the policy of oil fuel. *Sci Am* 109:46 Jl 19 '13
See also Gas and oil engines—Fuel; Kerosene
- Petroleum engines.** See Gas and oil engines
- Petroleum pipe lines**
Government's brief in the pipe line cases. Ry & Eng R 53:906-7 S 27 '13
Oil pipelines in California. *Il Eng & Min J* 95:800 Ap 19 '13
Oil pipe lines in California. B. K. Stroud. *Il Eng N* 69:500-1 Mr 13 '13
Southern Pacific contests California pipe line law. Ry & Eng R 53:875-6 S 13 '13
- Pewter**
Pewter ware. R. I. Geare. *Il Metal Ind n s* 11:114-5 Mr '13
- Phase advancers**
Phase advancers. *Elec W* 61:462 Mr 1 '13
- Phase compensation.** V. A. Fynn. *diags Elec W* 62:28-34, 75-81, 132-6 Jl 5-19 '13
- Phenols**
Chemical constitution of resinous phenolic condensation products. L. H. Baekeland. *Met & Chem Eng* 11:312-4 Je '13
- Philadelphia, Pennsylvania**
Hughes terminal on the Delaware river. H. M. Harding. *plan Eng N* 69:296-8 F 13 '13
New steamship terminal at Philadelphia. H. M. Harding. *plan Int Marine Eng* 18:119-21 Mr '13
- Architecture**
Architectural Philadelphia yesterday and today. C. Fitz-Gibbon. *Il Arch Rec* 34:20-45 Jl '13

Philadelphia, Pa.—Architecture—Continued.

Practical housing development: evolution of the quadruple house idea. *Il Arch Rec* 34: 46-55 J1 '13

Three types of Georgian architecture. H. D. Eberlein. *Il Arch Rec* 34:56-77 J1 '13

Bridges

Reinforcing an old cantilever bridge. *Il plan Eng N* 70:487-9 S 11 '13

Bureau of highways

Annual report dealing with reorganization of staff and progress. *Il Eng Rec* 67:627-8 Je 7 '13

Hotels

Ritz-Carlton hotel. *Il Arch & Bldg* 45:68-72 F '13

Ritz-Carlton hotel; pictures. *Arch Rec* 34: 213-24 S '13

Public buildings

Our earliest civic center: the Independence hall group in Philadelphia. T. Brabazon. *Il Arch Rec* 34:1-19 J1 '13

Rapid transit

Plans for Philadelphia rapid transit system explained to the Councils. *Elec Ry J* 42: 698 O 11 '13

Proposed transportation lines discussed with reference to Philadelphia. *Elec Ry J* 41: 598 Mr 29 '13

Rapid transit report on Philadelphia. map *Elec Ry J* 42:222-4 Ag 9 '13

Striking maps of Philadelphia report—officials approve plans. *Elec Ry J* 42:652 O 4 '13

Sanitary affairs

Sewage disinfection in Philadelphia. W. L. Stevenson. *Il plan Eng Rec* 68:256-7 S 6 '13

Studies of river bottoms in relation to sewage disposal. map *Eng N* 70:918-9 N 6 '13

Water supply

Dual water-supplies and typhoid fever at Philadelphia. *Eng N* 70:1022-3 N 20 '13

Use of chloride of lime with pressure filters; experience in purifying water subject to sudden variations in character. F. D. West. *Il Eng Rec* 67:65-6 Ja 18 '13

Water purification at Philadelphia during 1911. *Eng Rec* 67:93-5 Ja 25 '13

Water-waste and pitometer surveys in Philadelphia. J. S. Ely. *Eng N* 70:676-7 O 2 '13

Philadelphia (frigate)

Project to raise Decatur's frigate the Philadelphia. H. C. Plummer. *Sci Am* 108:539 Je 14 '13

Philadelphia & Reading railway

Reconstruction of Mahanoy plane. J. S. Ward. *Il plan Eng N* 70:1220-7 D 18 '13

Philadelphia rapid transit company

Proposed co-operative store and other improvements in Philadelphia. *Elec Ry J* 41: 264 F 8 '13

Re-routing, wages and co-operative buying discussed. *Elec Ry J* 41:1039-40 Je 7 '13

Review of the Stotesbury management. *Elec Ry J* 42:1347-8 D 27 '13

Philippine Islands**Industries and resources**

Philippines as a business proposition. L. R. Freeman. *Il Eng M* 45:649-63 Ag '13

Public works

Provincial public works organization and its engineering personnel. E. J. Westerhouse. *Il Eng N* 70:958-62 N 13 '13

Public works in the Philippine Islands under the American régime. H. F. Cameron. *Il Eng Rec* 68:172-5, 202-5 Ag 16-23 '13

Phillips spring hammer

Phillips spring hammer, with extension for drilling overhead. *Il Elec R & W Elec'n* 62: 110 Ja 11 '13

Phonograph

Clock that speaks the time of day. W. R. I. *Il Sci Am* 109:35 J1 12 '13

Development of the talking machine. E. Berliner. *J Fr Inst* 176:189-200 Ag '13

Improving the reproduction of talking-machine records. *Il Sci Am* 109:247 S 27 '13

Moving and talking pictures. *Sci Am* 108:78-9 Ja 18 '13

New language-teaching phonograph. *Il Sci Am* 109:287 O 11 '13

Phonographic alarm clock. W. Isendahl. *Sci Am* 108:456-7 My 17 '13

Phosphate mining

Gas engine and steam turbine power plants. W. C. Turner. *Il Power* 37:480-2 Ap 8 '13

Phosphate ore

Phosphate ore dressing. S. L. Lloyd. *Il Mines & Min* 33:333-4 Ja '13

Phosphates

Discovery and opening of a new phosphate field in the United States. C. C. Jones. *Il Am Inst Min E Bul* 82:2411-35 O '13

Our phosphate production. *Sci Am* S 76:99 Ag 16 '13

Phosphate rock production. *Eng & Min J* 96: 535 S 20 '13

Phosphorescence

Glow of sulphur. W. H. Watson. *Sci Am* S 76:391 D 20 '13

Lenard's researches on phosphorescence: photoelectric action of light. E. N. Da C. Andrade. *Sci Am* S 76:190-2 S 20 '13

Painting the town with phosphorescent paint. *Sci Am* 109:298 O 18 '13

Phosphorus

Dangers of phosphorus and sodium. C. Vickers. *Foundry* 41:27 Ja '13

Electric heating and the removal of phosphorus from iron. A. E. Greene. *Am Inst Min E Bul* 74:269-77 F '13

Photochemistry

Photo-chemistry of the future. G. Clamician. *Sci Am* S 75:258-9 Ap 26 '13

Photo-electric cells

Photo-electric cell in photometry. *Elec W* 62:691-2 O 4 '13

Photoengraving

Engraver from the buyer's point of view. E. R. Currier. *Inland Ptr* 51:257-9 My '13

Simple cost-finding method for photoengravers. *Inland Ptr* 51:587-8 J1 '13

See also Photogravure

Photogrammetry. See Photographic surveying**Photographic departments. See Photography in industry****Photographic surveying**

Geographical charts prepared by aerial photography. G. Kammerer. *Il Sci Am* S 75: 300-1 My 10 '13

Panoramic camera and planetable vs. stereophotography for mapping Alaskan topography. J. W. Bagley. *Eng N* 69: 1016-7 My 15 '13

Stereophotogrammetry. *Eng N* 69:632-3 Mr 27 '13

Stereophotographic surveying. E. Deville. *Eng N* 69:920-1 My 1 '13

Stereophotographic surveying. O. Lemberger. *Il plans Eng N* 69:602-12 Mr 27 '13

Photographs**Reproductions**

Making colored photographic reproductions with the aid of blue prints. *Sci Am* 109: 501 D 27 '13

Trimming, mounting, etc.

Unmounting and remounting photographs. *Sci Am* S 75:139 Mr 1 '13

Photography

Defects inherent in photographic views. A. Gleichner. *Il Sci Am* S 76:76 Ag 2 '13

New laboratory for research in optics and photography. *Il Sci Am* S 76:56-7 J1 26 '13

Photography by invisible light. R. W. Wood. *Il Sci Am* 109:380-1 N 15 '13

Skin defects in invisible light. G. Michaud and F. Tristan. *Il diag Sci Am* 109:489 D 27 '13

See also Blue printing; Cameras; Cinematographs; Map photography; Moving pictures; Photoengraving; Photographic surveying; Photographs; Photostat; Radiography

Photography—Continued.**Films**

Judicial decision involving the camera film. Sci Am 109:163 Ag 30 '13

Photography, Aerial

Geographical charts prepared by aerial photography. G. Kammerer. Il Sci Am S 75: 300-1 My 10 '13

Photographing from a skyrocket. Il Sci Am 108:140 F 8 '13

Photography from a kite. A. C. Gault. Il Sci Am 108:514 Je 7 '13

Photography, Submarine

Photographing under water. Sci Am 109:6 JI 5 '13

Photography in industry

Photographic department of the National-Acme mfg. co. F. Sluka. Il Mach 20:6-10 S '13

Photography of lightning

Stereoscopic views of lightning. Il Sci Am 108:265 Mr 22 '13

Photography of sound

Photographing sound: a fine demonstration of wave motion. A. L. Foley and W. H. Souder. Il Sci Am S 75:108-11 F 15 '13

Seeing sound: snap shots of waves traveling at 750 miles per hour. Il Sci Am 108:162 F 15 '13

Photogravure

Rotogravure quick-printing process and its possibilities. Il Sci Am S 75:248-9 Ap 19 '13

Photometry

Factors involved in use of the flicker photometer. M. Lucklesch. Elec W 61:835-6 Ap 19 '13

Graphic solution for illumination problems. N. S. Dickinson. Elec W 62:586-9 S 20 '13

Graphical representation of light distribution. Elec W 61:278 F 8 '13

Heterochromatic photometry. Elec W 61:599 Mr 22 '13

Heterochromatic photometry. H. E. Ives. Elec W 61:734 Ap 5 '13

Light distribution curves. E. J. Edwards. Elec W 61:578 Mr 15 '13

Light-distribution curves. R. F. Pierce. Elec W 61:1046 Mv 17 '13

Measurement of lights of different colors. Sci Am 109:89 Ag 2 '13

Photo-electric cell in photometry. Elec W 62:691-2 O 4 '13

Photometer for amateur work: the design and operation of a simplified illuminometer. C. H. Sharp and P. S. Millar. plan Eng M 44:264-6 N '12

Photometer for the measurement of light distribution. M. Schanzer. diag Elec W 62: 653 S 27 '13

Progress in photometry. H. E. Ives. Elec W 61:19-20 Ja 4 '13

Purkinje effect and comparison of flicker and equality-of-brightness photometers. M. Lucklesch. Elec W 61:620-1 Mr 22 '13

Rational method of showing light distribution. R. F. Pierce. Elec W 61:297-9 F 8 '13

Study in heterochromatic photometry. Elec W 61:698-9 Ap 5 '13

See also Color; Light; Lighting

Photostat

Photography in the drafting room. Il Eng M 45:109-11 Ap '13

Photo-topography. See Photographic surveying**Physical geography**

See also Springs

Physical laboratories

Physical laboratory of the National electric lamp association. E. P. Hyde. J Fr Inst 176:77-93 JI '13

See also Electric laboratories

Physics

See also Atmosphere; Atoms; Barometer; Elasticity; Electricity; Evaporation; Force and energy; Friction; Gases; Gyroscope; Heat; Hydraulics; Hydrostatics; Light; Liquefaction of gases; Liquid air; Liquids;

Magnetism; Matter; Mechanics; Molecules; Radiation; Radioactivity; Strains and stresses; Thermodynamics; Thermometers; Units; Vibration

Physiognomy

Scientific employment of men: standardizing human character. H. Newton. Il Sci Am 109: 68-9 JI 26 '13

Physiology

Sensibilities of the human organism. Sci Am S 76:239-40 O 11 '13

Piano players

Scientific investigation of pianoforte touch. Sci Am 108:334 Ap 12 '13

Piano players, Mechanical

Combined piano player and talking machine. Il Sci Am 109:300 O 18 '13

Pickling (metals)

Improved pickling machine for sheets. Il Iron Age 92:1162 N 20 '13

Mesta pickling machine. Il diag Iron Tr R 53:912-3 N 20 '13

Modern pickling machines: halving acid consumption and labor by up-to-date design. F. C. Perkins. Il Sci Am S 76:404 D 27 '13

Preparing grey iron for polishing and plating. T. C. Eichstaedt. Metal Ind n s 11:254-6 Je '13

Preparing gray iron for polishing and plating; practical method of pickling gray iron castings. J. H. Hansjosten. Metal Ind n s 11:118-9 Mr '13

Some present pickling methods. O. W. Storey. Met & Chem Eng 11:45-8 Ja '13

Picture writing

See also Hieroglyphics

Pictures

See also Photographs

Piece-work

Methods of paying for manual service. Eng Rec 67:143 F 8 '13

Piece work. G. P. White. Ry Age (Mech ed) 87:490 S '13

Piecework or unit system of handling ties and timbers. W. W. Eldridge. Ry Age 54: 170-1 Ja 24 '13; Same. Ry & Eng R 53:122-3 F 8 '13

Piece work system applied to city forces. J. E. Tupper. Munic Eng 45:115-8 Ag '13

Premium, piece work, and the expense burden. A. H. Church. Eng M 46:7-18 O '13

See also Wages

Piecework. See Piece-work**Piers**

Building piers 30 and 32 at San Francisco. Il Eng Rec 68:633-4 D 6 '13

Bulkhead and pier for the new port of San Diego, Cal. Il plan Eng N 69:498-500 Mr 13 '13

Commonwealth pier 5, Boston. Il plans Eng Rec 68:275-7 S 6 '13

Construction features of Balboa terminal at Panama. Eng Rec 67:381 Ap 5 '13

Freight pier at Communipaw, N. J. Il plans Ry Age 54:1023-5 My 9 '13

Handling west-bound freight on the North river railroad piers, New York city. W. J. Barney. plan Eng N 70:309 Ag 14 '13

Pier for the outer harbor at Chicago. diag Eng N 70:552-3 S 18 '13

Reinforced-concrete pier at Port au Prince, Haiti. Il plan Eng Rec 67:615-6 My 31 '13

Solving New York's pier problem with the model basin and the moving picture. Sci Am 108:392 My 3 '13

Structural and mechanical features of a railroad freight pier, Hoboken, N. J. Il plan Eng Rec 67:586-8 My 24 '13

Tests of two brick piers of unusual size. J. E. Howard. Il Eng Rec 67:332-4 Mr 22 '13; Same cond. Eng N 69:638-9 Mr 27 '13

Waterproofing the floors of piers. Il Int Marine Eng 18:43 Ja '13

See also Bridges—Foundations and piers; Wharves

Piers (bridges). See Bridges—Foundations and piers

Pig iron

Average daily pig iron output shows gain. Iron Tr R 52:552 Mr 6 '13

Foundry pig iron smelted in electric furnaces: operations of Noble electric steel co., Heroult, Cal. II Iron Tr R 53:493-7 S 18 '13

Heavy buying of steel making pig at Pittsburgh. Iron Tr R 52:181 Ja 16 '13

High cost of pig iron making by Tennessee co. Iron Tr R 53:763-4 O 23 '13

Increase in steel making pig iron. Iron Age 91:386-7 F 6 '13

Pig iron and its method of manufacture. J. J. Porter. II Iron Tr R 52:61-75 Ja 2 '13

Pig iron from titanium iron ores. Iron Age 92:981 O 30 '13

Pig iron output in 1912. Iron Tr R 52:166-7 Ja 9 '13

Pig iron production in 1912. Eng & Min J 95:336 F 8 '13

Pig-iron production in 1913. Eng & Min J 96:274 Ag 9 '13

Production of pig iron in the United States in 1912. Iron Age 91:373 F 6 '13

Swing in pig iron prices. Iron Age 91:1070-1 My 1 '13

See also Cast iron; Iron; Iron founding

Pigeons

Carrier pigeons in the French army. L. Fournier. II Sci Am 109:32-3 Jl 12 '13

Pigments

Effect of pigments on the constants of linseed oil. H. A. Gardner. Am Eng 87:188-9 Ap '13

Palette of the illuminator from the seventh to the end of the fifteenth century. Sci Am S 75:77 F 1 '13

See also Paint

Piles and pile driving

Aids to navigation on the Missouri river. F. C. Perkins. II Sci Am S 75:100-1 F 15 '13

Bank strengthening on the New York barge canal. plan Eng N 69:1284-5 Je 19 '13

Concrete pile specifications for the Point bridge at Pittsburgh. Eng Rec 68:581 N 22 '13

Convertible crane and pile driver. C. B. & Q. R. R. II Ry & Eng R 53:743 Ag 2 '13

Early pile-drivers. II Eng N 70:1026-7 N 20 '13

Large concrete pile installation for Youngstown Sheet & tube co.'s steel plant, Youngstown, O. II Eng Rec 67:36-7 Ja 11 '13

New forms of steel sheet piling. II Ry Age 54:1565-6 Je 20 '13

Sheet-pile cut-off for the protection of levee foundations. C. O. Sherrill. Eng N 69:247 F 6 '13

Some experiences with concrete piles in Chicago. J. N. Jensen. plan Eng N 69:416-8 F 27 '13

See also Cofferdams; Concrete piling; Foundations; Wharves

Pillars. See Columns**Pima Indians**

Irrigation water-supply for the Pima Indians. A. P. Davis. Eng N 70:956-7 N 13 '13

Pine

Bending strength of yellow-pine timber. J. J. Morgan. Eng Rec 67:608-9 My 31 '13

Examination of the oleoresins of some western pines. A. W. Schorger. II U S Forest Serv Bul 119:1-36 '13

Pins (machinery)

Computing the shear on pins. W. C. Stripe. Am Mach 38:787-8 My 8 '13

Pipe. See Pipes**Pipe covering**

Insulating wrappings for large water mains. II Eng N 70:1083 N 27 '13

See also Steam pipe covering

Pipe fittings

1912 U. S. standard for flanged fittings and flanges: with data sheet supplement. Mach 19:765 Je '13

Pipe work and fittings. F. W. Fischer. Power 38:833-4 D 9 '13

Stripping-plate machines for pipe fittings. II Foundry 41:520-1 D '13

Tests on pipe fittings. plans Power 37:330-1 Mr 11 '13

See also Pipe joints; Piping; Plumbing; Steam pipes

Pipe joints

Badger self-equalizing expansion joint. II Power 38:223-4 Ag 12 '13

Copper self-equalizing expansion joint. II Iron Age 91:1359 Je 5 '13

Ferrum system of wrought piping. II diag Iron Age 92:838-9 O 16 '13; Same cond.

Ind Eng 13:529-30 D '13

Insulation of joints in pipe lines. diag Eng Rec 67:590 My 24 '13

Making cold-drawn, seamless steel unions. II diag Iron Tr R 52:1291-2 Je 5 '13

Making pressed steel pipe unions. II Iron Age 91:1356-7 Je 5 '13

New union for piping systems. II Sci Am 109:383 N 15 '13

Some experiences in packing flange joints. W. H. Wakeman. II Dom Eng 62:8-9 Ja 4 '13

Tests of pipe joints. A. J. Cleary. diag Eng Rec 68:119 Ag 2 '13

Pipe laying

Laying submerged water main on pile supports to convey water supply of Richmond, B. C., across north arm of Fraser river.

diag Eng Rec 68:554-5 N 15 '13

Pipe-laying derrick and power backfiller for trench work. II Eng N 69:360 F 20 '13

Sewer construction in quicksand. Eng N 70:1027-8 N 20 '13

Should pipe lines be carried under or over streams? E. A. Moritz. Eng N 69:528 Mr 13 '13

Specifications for drain tile, for sewer tile and for pipe laying. A. Marston and A. O. Adams. diag Concrete Cem 2:201-4 N '13

Tamping machine for backfilling trenches. II Eng N 69:361-2 F 20 '13

Pipe-line refrigeration. See Refrigeration, Pipe-line

Pipe lines, Air. See Air pipe lines

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- Law**
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Poliomyelitis. See Infantile paralysis

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See also Pottery

Pork. See Swine

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Post-office. See Postal service

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Printing

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See also Engineering ethics

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See also Interest

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Prony brake. See Dynamometer**Proofreading**

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See also Copyright; Valuation

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R

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Rail laying. See **Railroads—Track**

Railroad accidents. See **Railroads—Accidents**

Railroad accounting. See **Railroads—Accounting**

Railroad bridges. See **Bridges**, Railroad

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See also Interstate commerce law; Public service corporations—Law; Railroads—Rates; Railroads—Valuation; Railroads and state; Street railroad law

Railroad management. See Railroads—Management

Railroad maps

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Railroad motor cars. See Motor cars (railroad)

Railroad rates. See Railroads—Rates

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Railroad terminals. See Railroads—Terminals

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- Tie renewals and ballasting. Ry Age 54:1091-2 My 16 '13
- Ties bought and treated in 1911. Eng Rec 68:182 Ag 16 '13
- Treated versus untreated ties. R. J. Parker. Eng M 45:741-4 Ag '13
- Varieties of ties used on the Panama railroad. Ry & Eng R 53:1173-4 D 20 '13
- See also* Wood preservation
- Railroad ties, Steel**
- Cast-weld joints and steel ties in Brooklyn. *Il Elec Ry J* 42:920-4 O 25 '13
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- New railroad steel tie. *diag*s Iron Age 92:341 Ag 14 '13
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- Railroad yards.** *See* Railroads—Yards
- Railroads**
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Accidents

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- Accidents to passenger trains in Great Britain. Eng N 70:1132 D 4 '13
- Accidents viewed from a track maintenance standpoint. Ry & Eng R 53:948-9 O 11 '13
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- Collision in a London subway—failure of an automatic stop. H. R. Wilson. Ry & Eng R 53:159-60 F 22 '13
- Collision on the Pennsylvania railroad at Tyronne, Pa. *Il Ry & Eng R* 53:886-8 S 20 '13
- Comparison of railway casualties in Great Britain and in the United States. Eng N 70:671-2 O 2 '13
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- Co-operation in railroad safety. B. L. Winchell. Am Ind 14:24-5 Ag '13
- Gothenburg collision report. Ry Age 54:1177 My 30 '13
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- How deadly is railway travel? Sci Am 109:230 S 20 '13
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- Human fallibility in railway operation. Elec Ry J 41:182-3 F 1 '13
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Railroads—Accidents—Continued.

- Latest and worst New Haven railway disaster. *Il Eng N 70:520-3 S 11 '13*
 Lesson of Irvington. *Ry Age 54:319 F 21 '13*
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 New York report on Corning collision. *Ry Age 54:105-6 Ja 17 '13*
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 Old object lesson on track jacks recalled. *Eng N 69:524-5 Mr 13 '13*
 Plea against hasty legislation. *Ry Age 55:449-50 S 12 '13*
 Railroad accidents, their causes and remedy. *D. F. Jurgenson. Ry Age 54:14-5 Ja 3 '13*
 Railway officials indicted for train wrecks. *Ry & Eng R 53:13-4 Ja 4 '13*
 Reaping the whirlwind. *Sci Am 109:206 S 13 '13*
 Record of wrecks on the New York, New Haven & Hartford R. R. occurring in the last twenty-seven months. *Ry & Eng R 53:851 S 6 '13*
 Report of Interstate commerce commission on railroad accidents. *Ry & Eng R 53:1204-5 D 27 '13*
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 Responsibility of railway managements for accidents. *Ry Age 55:599-600 O 3 '13*
 Safety on railroads. *J. W. Coon. Eng N 69:458-9 Mr 6 '13*
 Six passengers killed at Stamford. *Ry Age 54:1548-9 Je 20 '13*
 Speed factor in collisions. *Sci Am 109:138 Ag 23 '13*
 Stamford collision. *Ry Age 54:1608 Je 27 '13*
 Stamford collision on the New Haven railroad. *Eng N 69:1292-3 Je 19 '13*
 Stamford collision report. *Ry Age 55:94-6 J1 18 '13*
 Statistics of locomotive boiler accidents for year ending Je. 30, 1912; from boiler inspector's annual report. *Ry & Eng R 53:14 Ja 4 '13*
 Steel passenger cars in a wreck. *Il Ry Age (Mech ed) 87:561-2 O '13*
 Train accidents in December, 1912. *Ry Age 54:144 Ja 24 '13*
 Train accidents in 1913. *Ry Age 54:325-6, 762, 990-1, 1218-9, 1605, 55:182, 329-30, 627, 860, 965-6 F 21, Mr 28, My 2, Je 6, 27, Ag 1, 22, O 3, N 7, 21 '13*
 Trespassers killed and injured on the New York Central in 1912. map *Ry Age 55:267-9 Ag 15 '13*
 Trespassing problem. *Elec Ry J 42:960-1 N 1 '13*
 Tyrone collision report. *Il Ry Age 55:494 S 19 '13*
 Wanted: a sense of responsibility and duty. *Ry Age 55:482-4 S 19 '13*
 Washington comment on New Haven wreck. *Ry & Eng R 53:845 S 6 '13*
 When accidents are not accidental. *Ry Age 54:425-6 Mr 7 '13*

See also Derailments; Railroads—Safety devices; Railroads—Signals; Street railroads—Accidents

Accounting

- Cost and how to count it. *E. R. Lewis. Ry Age 54:1082 My 16 '13*
 Depreciation of rolling stock equipment. *F. Nay. Ry & Eng R 53:1205 D 27 '13*
 Freight claim blanks. *Ry Age 55:341-2 Ag 22 '13*
 Has the Interstate commerce commission's system of accounts met with the needs of the commission? *W. E. Hooper. Ry Age 55:954-7 N 21 '13*
 Proposed railroad clearing house. *Ry Age 54:90-1, 100-3 Ja 17 '13*
 Regulation of the stock of material; the regulation of accounting to this problem. *G. Yeomans. Ry Age 54:802-3 Ap 4 '13*

Report of committee of Am. railway engineering assn. on records and accounts. *Ry Age 54:729-31 Mr 21 '13*
See also Railroads—Finance; Railroads—Records; Railroads—Valuation

Advertising

- Railroads and public appreciation. *J. W. Booth. Ry & Eng R 53:1150-1 D 13 '13*

Auditing

- Burlington adopts new train audit system. *Ry Age 54:112-3 Ja 17 '13*

Automatic stop

- American railway assn. report on automatic train stops. *Ry & Eng R 53:691 J1 19 '13*
 Attitude of railroads to the automatic stop. *G. W. Ristine. Sci Am 108:87 Ja 25 '13*
 Automatic control of trains. *B. C. Rowell. Ry & Eng R 53:2-3 Ja 4 '13*
 Automatic stop. *B. C. Rowell, plan Ry & Eng R 53:128-9 F 8 '13*
 Automatic stops and audible signals. *Ry Age 54:834-5 Ap 11 '13*
 Automatic train stop problem. *A. H. Rudd. Ry Age 54:1211-2 Je 6 '13*
 Automatic train stops. *Ry & Eng R 53:192 Mr 1 '13*
 British opinion on railway automatic stops. *H. R. Wilson. Il plan Eng N 69:193-5 Ja 30 '13*
 Collision in a London subway—failure of an automatic stop. *H. R. Wilson. Ry & Eng R 53:159-60 F 22 '13*
 Competition for the New York, New Haven and Hartford railroad company's automatic stop. *Sci Am 109:50 J1 19 '13*
 Discipline versus automatic train control. *J. D. Isaacs. Ry Age 54:6-7 Ja 3 '13*
 Failure of a railway automatic stop in London. *H. R. Wilson. Eng N 69:479 Mr 6 '13*
 Failure of an automatic stop on an English railway. *Ry & Eng R 53:188-9 Mr 1 '13*
 Gray-Thurber automatic train stop. *diag Elec Ry J 42:1111 N 22 '13*
 Ideal automatic train control. *M. Wels. Sci Am 108:155 F 15 '13*
 Jones system of automatic train control. *Il Ry & Eng R 53:191 Mr 1 '13*
 Need of an automatic stop. *Sci Am 108:554 Je 21 '13*
 New Haven railroad automatic stop competition. *Sci Am 108:282 Mr 29 '13*
 N. Y., N. H. and Hartford railway's automatic-stop prize. *Sci Am 108:67 Ja 18 '13*
 Railroad adopts the automatic stop. *Sci Am 109:227 S 20 '13*
 Requisites for apparatus for train control. *Eng N 70:252 Ag 7 '13*
 Safety automatic train stop. *Il Sci Am 108:395-6 My 3 '13*
 Successful automatic train-stop. *Il Sci Am 108:65-6 Ja 18 '13*

See also Railroads—Signals

Buffers

See Buffers (railroad)

Buildings and structures

- Bridges, stations and masonry work on the Montclair branch improvements. *Il Eng Rec 68:687-9 D 20 '13*
 Concrete buildings on the Lackawanna. *Il Ry Age 55:511-4 S 19 '13*
 Cotton storage shed of economical design. *E. S. Pennebaker, Jr. Il Eng N 69:26-7 Ja 2 '13*
 Fuel oil installations. Northern Pacific Ry. plans *Ry & Eng R 53:203-4 Mr 8 '13*
 Illinois Central improvement at Memphis. *Il plan Eng Rec 68:720-2 D 27 '13*
 New coal classification yards of the Philadelphia & Reading Ry. at St. Clair, Pa. *J. S. Ward. Il Eng N 70:543-8 S 18 '13*
 New structures, roadbed improvement, etc.; work completed in 1912. *Ry & Eng R 53:19-23 Ja 4 '13*
 Poured concrete buildings. *D. L. & W. R. R., Nanticoke, Pa. Il Ry & Eng R 53:455-6 My 17 '13*
 Railroad section tool house. plan *Concrete Cem 1:96 D 12*

Railroads—Buildings and structures—Continued.
Report of committee of Am. railway engineering assn. on buildings. Ry Age 54:717-23 Mr 21 '13

Southern railway freight station and office building at Atlanta, Ga. II plan Ry Age 54:839-40 Ap 11 '13

23d annual convention of the Am. railway bridge and building assn. at Montreal, Can. Eng N 70:889-91 O 30 '13

See also Bridges, Railroad; Car houses; Culverts; Freight houses; Locomotive shops; Railroads—Shops; Railroads—Stations; Railroads—Terminals; Roundhouses

Cars

See Baggage and express cars; Car lighting; Car trucks; Cars; Dining cars; Freight cars; Motor cars (railroad); Postal cars; Refrigerator cars; Sleeping cars; Wrecking cars

Cattle guards

Cattle guards. Ry Age 55:788-90 O 24 '13
Conclusion of committee of Am. railway bridge and building assn. on cattle guards. Eng Rec 68:502-3 N 1 '13

Claim departments

Successful claim agent. W. H. Hyland. Elec Ry J 41:420-1 Mr 8 '13

Collisions

See Railroads—Accidents

Construction

Applications of concrete on the Long Island R. R. F. Auryansen. II Ry & Eng R 53:818-20 Ag 30 '13

Boston & Maine extension from Hinsdale, N. H., to Brattleboro, Vt. II Ry Age 55:661-2 O 10 '13

Bridges, viaducts and embankment work of the New York connecting railroad. II map plans Eng Rec 68:79-81 J1 19 '13

Buckhannon & Northern railroad. R. E. Kerr. II map Ry Age 55:617-8 O 3 '13

C. M. & St. P. improvement work: second track and grade revision between Aberdeen, S. D., and Montevideo, Minn. II diag map Ry Age 54:673-6 Mr 21 '13

Canton-Kowloon railway, China. Eng Rec 67:216-7 F 22 '13

Clinchfield extension: building a 35-mile line over the Cumberland range. II map Ry Age 55:861-8 N 7 '13

Company-force work on the Louisville & Nashville railroad. II Eng Rec 68:162-3 Ag 9 '13

Company versus contract construction work. Ry Age 54:490 Mr 14 '13

Concrete in railroad work. F. Auryansen. II Concrete Cem 2:37-40 Ja '13

Concreting train using a drag-line excavator. II Eng N 70:1031-2 N 20 '13

Construction work on a short railroad branch. II diag Eng Rec 67:666-7 Je 14 '13

Continuation of Louisville & Nashville improvements in eastern Kentucky. II plans Eng Rec 68:359-61 S 27 '13

D. L. & W. line north of Scranton, Pa. II diag Ry Age 54:941-2 Ap 25 '13

Delaware, Lackawanna and Western R. R. roadbed improvements. Ry & Eng R 53:392-3 Ap 26 '13

Double tracking on the Nashville, Chattanooga & St. Louis. II plans Ry Age 54:1035-6 My 9 '13

Elimination of grade crossings in Cleveland by the New York, Chicago & St. Louis railroad. II map Ry & Eng R 53:1100-4, 1144-7, 1178-81 N 29, D 13-20 '13

Elkhorn railway extension. O. K. Morgan. II map plans Eng N 70:762-7 O 16 '13

Engineer's reminiscences of Mexican railway building. M. E. Schmidt. Eng M 45:683-94 Ag '13

Expensive 11-mile Magnolia cutoff to be built by Baltimore & Ohio R. R. Eng N 69:1232 Je 12 '13

Extra top width for new railroad embankments. Eng Rec 68:459 O 25 '13

Extra top width for new railroad embankments. T. B. Lee. Eng Rec 68:589-90 N 22 '13

Features of Louisville & Nashville work between Nashville and Birmingham. II diag Eng Rec 68:129-31 Ag 2 '13

Grade-crossing elimination at Second Avenue and Try Street, Pittsburgh. II plans Eng Rec 68:32-4 J1 12 '13

Grade elevation and six-tracking at Rahway, N. J. Pennsylvania R. R. J. J. Vail. II plans Eng N 70:1118-21 D 4 '13

Grade reduction and doubletracking on the Nashville, Chattanooga & St. Louis Ry. plans Eng N 70:802-5 O 23 '13

Grade revision from Paris to Winchester: Louisville & Nashville reconstruction in Kentucky. II diag Eng Rec 68:298 S 13 '13

Grand Trunk grade separation in Toronto. II map Ry Age 54:1213-8 Je 6 '13

Hewed and rough timber in railroad construction. II Eng Rec 68:615 N 29 '13

Hollow reinforced-concrete triangular boxes at three-level crossing of creek, railroad and avenue at Montclair, N. J. II plan Eng Rec 68:636-7 D 6 '13

Idaho Northern Ry. construction work. J. H. Smith. II plan Eng N 70:101-3 J1 17 '13

Kansas City terminal Ry. construction work. II Ry & Eng R 53:225-30 Mr 15 '13

Lewistown-Great Falls line of the C. M. & St. P. Ry. II plans Ry & Eng R 53:619-22, 685-9 Je 28, J1 19 '13

Long Island improvements at Jamaica. II map plans Ry Age 55:183-9 Ag 1 '13

Louisville & Nashville improvements. II map Ry Age 55:143-9, 225-8 J1 25, Ag 8 '13

New cutoff between Winchester and Irvine, in eastern Kentucky on Louisville & Nashville railroad. plans Eng Rec 68:270-2 S 6 '13

New line over Wasatch mountains, Utah. II map Ry Age 55:1013-8 N 28 '13

New York Central improvements at Rome. E. Low. II plan diag Ry Age 55:282-5 Ag 15 '13

Nicholson relocation of the Lackawanna railroad. G. J. Ray. Eng Rec 67:461-2 Ap 26 '13; Same. Ry & Eng R 53:383 Ap 26 '13

Norfolk Southern extension. II map Ry Age 54:1315-8 Je 13 '13

Northwestern Pacific railroad extension between San Francisco and Eureka. II map Eng Rec 68:664-5 D 13 '13

Oregon short line R. R. improvements. II plans Ry & Eng R 53:239-45 Mr 15 '13

Railway construction and train tonnage. R. N. Beglen. Eng N 69:727-9 Ap 10 '13

Railway construction contracts. Ry & Eng R 53:309-11 Mr 29 '13

Relocation and grade reduction on the Louisville & Nashville railroad. II maps Eng Rec 68:97-9 J1 26 '13

Road department improvements on the B. & O. R. R. Ry & Eng R 53:221 Mr 15 '13

Sand Patch tunnel improvements: additional facilities just completed by the Baltimore & Ohio. II Ry Age 54:789-95 Ap 4 '13

Soldier Summit detour line, Denver & Rio Grande railroad. II diag Ry & Eng R 53:1078-80 N 22 '13

Summit cutoff of the Lackawanna railroad. II diag maps Eng N 70:410-9 Ag 28 '13

Summit-Halstead cut-off of Delaware, Lackawanna & Western. II map Ry Age 55:903-8, 1069-74 N 14, D 5 '13

Temporary structures for supporting tracks during the construction of permanent work, sewers, etc. Ry Age 55:787-8 O 24 '13

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Railroads—Construction—Continued.

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Cost of operation

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See also Railroads—Location

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Railroads—Electrification—Continued.

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 Washington & Old Dominion railway. W. N. Smith. Il map plan Elec Ry J 41:534-41 Mr 22 '13
 See also Electric locomotives; Electric railroads

Employees

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 Arbitration of firemen's controversy. Ry & Eng R 53:295-6, 340-1 Mr 29, Ap 12 '13
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Railroads—Employees—Continued.

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 Prevention of accidents to maintenance of way employees. W. E. Davlin. Ry Age 54:509-10 Mr 14 '13.
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Railroads—Finance—Continued.

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Freight

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 Facilities for replenishing ice for refrigeration in transit. C. M. Secrist. Ry Age 55:568 S 26 '13
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See Railroads—Switches, frogs, etc.

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See also Locomotives—Fuel

Government ownership

See Railroads and state

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 Economical limits of grade reduction. W. L. Webb. Ry Age 54:750-2 Mr 28 '13
 Grade reduction and doubletracking on the Nashville, Chattanooga & St. Louis Ry. plans Eng N 70:802-5 O 23 '13
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See also Grade crossings; Railroad engineering; Railroads—Construction; Railroads—Location; Railroads—Track

Law

See Railroad law

Location

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 Factors in railway location. Eng Rec 67:276-7 Mr 8 '13
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See also Railroad maps; Railroad surveying; Railroads—Construction; Railroads—Curves and turnouts

Maintenance and repair

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 Maintenance of equipment. Ry & Eng R 53:388-9, 412-3, 436-7, 461, 504-5, 564-5, 598-9, 628, 651, 673, 738-9, 782 Ap 26-My 17, 31, Je 14-J1 12, Ag 2, 16 '13
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Railroads—Maintenance and repair—Continued.

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See also Freight car service; Railroad engineering; Railroads—Employees; Railroads—Finance; Railroads—Maintenance and repair; Railroads—Records; Railroads—Signals; Train dispatching

Maps

See Railroad maps

Officials

Efficiency in the manufacture of railway transportation. H. Emerson. Eng M 43:341-7; 44:481-6, 751-8 Je '12, Ja-F '13

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Organization

See Railroads—Management

Railroads—Continued.**Passenger traffic**

- Chicago passenger traffic. Ry Age 55:1125 D 12 '13
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Passes

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 Pass form for Rock Island lines. Ry Age 55:275 Ag 15 '13
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Rails**See Rails****Rates**

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 Coke and iron ore freight rate decisions. Iron Age 91:1478-80 Je 19 '13
 Coke and iron ore rates. Iron Tr R 52:1415-6 Je 19 '13
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 Copper freight rates. Eng & Min J 95:197 Ja 18 '13
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 Freight rate advance hearings. Ry Age 55:1130-4 D 12 '13
 Freight rate advance hearings: presentation of the case by the railroads; statements by Mr. Willard and Mr. Delano; a digest of the evidence. Ry Age 55:1025-33 N 28 '13
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 Movement of prices and railway rates. M. C. Colson. Ry Age 55:919-23 N 14 '13
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 New application for increased rates. Ry & Eng R 53:414-5 My 3 '13
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 Proposed rate advances on eastern roads. Ry Age 54:1017-8 My 9 '13
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 Question of increased freight rates. A. B. Hult. Ry Age 55:140-2 J1 25 '13

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 Through routes ordered among interurban lines. Ry & Eng R 53:691-3 J1 19 '13
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 Vast public interests involved in rate question. S. Thompson. Ry & Eng R 53:498-9 My 31 '13
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Rolling stock

See Baggage and express cars; Cars; Dining cars; Freight cars; Locomotives; Motor cars (railroad); Postal cars; Refrigerator cars; Sleeping cars; Wrecking cars

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Railroads—Safety devices—Continued.

- Railroad officials urge caution in federal safety legislation. *Ry & Eng R 53:861-2 S 13 '13*
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See also Air brakes; Car couplings; Railroads—Automatic stop; Railroads—Signals; also American railway safety association

Shops

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- Canadian railroad foundry at Transcona, Man. plan Foundry 41:236-8 Je '13
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See also Car houses; Electric railroads—Shops; Locomotive shops; Railroads—Terminals; Roundhouses

Signal bridges

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Signals

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Railroads—Signals—Continued.

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Working the space interval system with inadequate signals. Ry Age 55:173 Ag 1 '13
See also Railroads—Automatic stop; also Railway signal association

Snow protection and removal

- Gasoline torch for thawing pipes and melting snow at switches. II Eng N 69:162-3 Ja 23 '13
- Pilot snow plow. E. R. Lewis. Ry Age 54:255-6 F 7 '13
- Rotary snow plow, Canadian Pacific Ry. H. H. Vaughn. II Ry & Eng R 53:58-9 Ja 18 '13
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- Snow removal by steam radiation. J. W. Foote. Ry Age 54:497 Mr 14 '13
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- Winter maintenance methods contest: nine papers. Ry Age 54:492-6 Mr 14 '13

Societies

See also Air brake association; Association of railway telegraph superintendents; Central railway club; International railway fuel association; Keystone railway club; Railway storekeepers' association

Station agents

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Station service

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Stations

- Attractive stations for small towns on the Buffalo, Rochester & Pittsburgh. II plans Ry Age 54:383-5 F 28 '13
- Beautifying Kansas City union station surroundings. B. J. Lubschéz. II Munic Eng 44:453-4 My '13
- Chicago—new Union station. II Ry & Eng R 53:478-9 My 24 '13
- Chicago plans for new union station. II Ry Age 54:1147-9 My 23 '13
- Concourse roof, Grand Central terminal, New York city. plans Eng Rec 67:210-1 F 22 '13
- Concrete buildings on the Lackawanna. II Ry Age 55:511-4 S 19 '13
- Detroit, Mich.—new passenger station of the Michigan Central railroad. II plan Ry & Eng R 53:1191-6 D 27 '13
- Duluth, Missabe and Northern station at Hibbing, Minnesota. II diag Ry Age 54:291-2 F 14 '13
- Grand Central terminal building. II Arch & Bldg 45:140-54 Ap '13
- Grand Central terminal, New York city. II Ry & Eng R 53:77-8 Ja 25 '13
- Grand Central terminal, New York: description of details. II plans Ry Age 54:279-84 F 14 '13
- Grand Central terminal station. T. Starrrett. II Arch & Bldg 45:129-32 Ap '13
- Kansas City, Mo., passenger terminal. II plan map Ry Age 54:1121-8 My 23 '13
- Lewistown, Mont.—passenger station for the C. M. & St. P. Ry. II plans Ry & Eng R 53:971-3 O 18 '13
- Los Angeles—recent passenger stations. II plans Elec Ry J 41:966-7 My 31 '13
- Mississippi Northwestern R. R.—terminal station plans at Pascagoula, Miss. plans Ry & Eng R 53:497 My 31 '13
- New passenger station for the D. L. & W. R. R., at Montclair, N. J. II Ry & Eng R 53:663-4 J 12 '13
- Newly completed union station at Joliet, Ill. II plan Eng Rec 67:74-5 Ja 18 '13

Railroads—Stations—Continued.

Oregon-Washington railroad and navigation co. terminal at Spokane. *Il plan Ry Age 55:817-9 O 31 '13*
 Roof trusses of new Rochester, N. Y., passenger station. *Il diag Eng Rec 68:666 D 13 '13*
 Statues on Washington Union station. *Il Ry Age 54:27-8 Ja 3 '13*
 Troy union station depressed concourse. *J. R. Taft, plan Eng Rec 68:691-2 D 20 '13*
 Where passengers sit in darkness. *Ry & Eng R 53:39 Ja 11 '13*

See also Electric railroads—Stations; Railroads—Buildings; Railroads—Terminals; Railroads—Yards

Statistics

Criticism of James J. Hill's statistics. *W. J. Cunningham, Ry Age 54:320 F 21 '13*
 Juggling railway statistics. *Ry Age 55:853-4 N 7 '13*
 New railroad building and equipment. *Iron Age 91:46 Ja 2 '13*
 Practical plan for standardizing railroad records. *F. L. Hutchins, Eng M 45:644-8 Ag '13*

See also Freight car service; Railroads—Accidents; Railroads—Finance

Stores

See Railroads—Equipment and supplies

Switches, frogs, etc.

Calculating frog angles. *S. S. Roberts, Ry Age 55:504 S 19 '13*
 Hubbard automatic switch point closer or lock. *Il Ry & Eng R 53:654-5 Jl 5 '13*
 Improved slip-switch crossings. *Pennsylvania R. R. Il diags Eng N 70:254-6 Ag 7 '13*
 Keeping a good lookout. *Ry Age 54:92-3 Ja 17 '13*
 Lackawanna frog and switch shops. *Il plan Ry Age 55:975-8 N 21 '13*
 Manufacture of switches and frogs; Indianapolis switch and frog co. *Il Ry & Eng R 53:777-9 Ag 16 '13*
 Manufacture of switches and frogs; the Weir frog co. *Il Ry & Eng R 53:624-7 Je 28 '13*
 Safety in long crossovers. *Eng Rec 67:365 Ap 5 '13*
 Short method for locating frog points. *diags Ry Age 54:347-9 F 21 '13*

See also Railroads—Curves and turnouts

Taxation

See Railroads—Valuation

Terminals

Bay City, Mich., terminal of the Grand Trunk railway. *Il Ry & Eng R 53:1165-6 D 20 '13*
 Canadian Northern Montreal terminal. *Il map diag Ry Age 55:651-4 O 10 '13*
 Chicago—municipal participation in railway-terminal projects. *Eng N 69:1236-7 Je 12 '13*
 Chicago passenger terminals and the city beautiful plan. *Ry & Eng R 53:169 F 22 '13*
 Chicago railroad terminals: Arnold report. *Eng Rec 68:597 N 29 '13*
 Chicago railroad terminals: Wallace report. *Eng Rec 68:486-7 N 1 '13*
 Chicago railway facilities: proposed development. *Ry Age 55:745-8 O 24 '13*
 Chicago railway terminals. *J. F. Wallace, Ry & Eng R 53:1001-3, 1014-6 O 25-N 1 '13; Same, Eng N 70:923-5 N 6 '13*
 Chicago railway terminals, Electrification of. *Ry & Eng R 53:459-61 My 17 '13*
 Chicago railway terminals: relocating. *plan Ry Age 54:1184-7 My 30 '13*
 Chicago-Soo freight terminal. *A. R. Lord, Il plan Ry Age 55:321-5 Ag 22 '13*
 Chicago terminal problem: one solution. *Ry Age 55:320 Ag 22 '13*
 Chicago terminals and smoke problem. *R. E. Pierce, Ry & Eng R 53:440 My 10 '13*
 Chicago terminals: report. *B. J. Arnold, Ry & Eng R 53:1087-91 N 22 '13; Same cond. Eng N 70:1154-7 D 4 '13; Same cond. Ry Age 55:1078-81 D 5 '13*

Columns in the new Grand Central terminal, New York city. *plans Eng Rec 67:125-6 F 1 '13*

Comparison of Grand Central and Pennsylvania terminals. *Eng Rec 67:142 F 8 '13*
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Girders in the Grand central terminal, New York city. *plans Eng Rec 67:78-80 Ja 18 '13*
 Grand Central terminal, New York city. *Il Ry & Eng R 53:77-8 Ja 25 '13*

Grand Central terminal station in New York city: an underground double-deck terminal. *Il plans Eng N 69:883-95 My 1 '13*

Jamaica improvement of the Long Island railroad. *Il plans Eng Rec 67:46-7 Ja 11 '13*
 Kansas City, Mo., passenger terminal. *Il plan map Ry Age 54:1121-8 My 23 '13*

Kansas City terminal railway. *Il plan map Eng N 70:237-44 Ag 7 '13*
 Kansas City terminal Ry. construction work. *Il Ry & Eng R 53:225-30 Mr 15 '13*

Latest passenger terminal train shed; summary of advantages and disadvantages of various types of train shed and description of sheds at Jersey City and Ottawa. *plans Eng Rec 67:6-9 Ja 4 '13*

Milwaukee—St. Paul improvements. *plan Ry Age 55:19-21 Jl 4 '13*

Montclair, N. J., terminal improvement on the Lackawanna. *Il plan Eng Rec 68:495-7 N 1 '13*

Montreal tunnel and terminal. *S. P. Brown, Il plan Eng N 70:62-7 Jl 10 '13*

Need of railway terminal facilities. *Eng Rec 67:114-5 F 1 '13*

New railway stations and six-track tunnels at Brussels. *plan Eng N 70:160-1 Jl 24 '13*
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Opening of the new Grand Central terminal, N. Y. city. *Il Eng Rec 67:144-8 F 8 '13*

Ottawa, Ont.—Grand Trunk terminal. *Il plan Ry Age 54:435-40 Mr 7 '13*

Proposed plan of one central railway terminal for Chicago. *R. C. Sattley, plan Ry & Eng R 53:666-71 Jl 12 '13*

Railway terminals. *L. C. Fritch, Ry & Eng R 53:230-4 Mr 15 '13; Same cond. Ry Age 54:109-10 Ja 17 '13*

Railway terminals in Chicago. *plan Eng N 70:210-5 Jl 31 '13*

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Soo line freight terminal in Chicago. *Il plan Eng N 70:378-83 Ag 21 '13; Same cond. Eng Rec 68:188-91 Ag 16 '13*

Spokane—Oregon-Washington railroad & navigation co. terminal. *Il plan Ry Age 55:817-9 O 31 '13*

Spokane—terminal work of the C., M. & St. P. Ry. *Il plans Ry & Eng R 53:297-300, 339-40 Mr 29, Ap 12 '13*

Study for unification of all freight terminals at Buffalo. *Eng Rec 68:414-6, 431-2 O 11-18 '13*

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Tickets

Machines for printing railroad tickets. *Il Sci Am 108:249 Mr 15 '13*
 New York, Westchester & Boston's tickets. *Ry Age 54:1036-7 My 9 '13*

Ties

See Railroad ties

Track

Accidents viewed from a track maintenance standpoint. *Ry & Eng R 53:948-9 O 11 '13*

Railroads—Track—Continued.

- Adzing and boring ties and the cost of installing plants of this kind. J. A. Lounsbury. Ry & Eng R 53:151-2 F 15 '13; Same. Eng Rec 67:189-90 F 15 '13
- Australian railways agree on standard gage. Ry Age 55:40-1 JI 11 '13
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- Concrete foundation for tracks at street crossings. plan Eng N 69:1226 Je 12 '13
- Concrete foundations for heavy service tracks. F. Auryansen. Ry Age 55:508-9 S 19 '13
- Concrete roadbed for track construction. plan Concrete Cem 2:170 Ap '13
- Contracting of track maintenance work. Ry & Eng R 53:876 S 13 '13
- Development in the use of screw spikes. Il diags Ry Age 54:499-504 Mr 14 '13
- Double prize track section, New York Central R. R. Il plan Ry & Eng R 53:861 S 13 '13
- Early track work. Ry Age 54:498 Mr 14 '13
- German experimental railroad. Il plan Ry Age 55:524-5 S 19 '13
- Heavy maintenance work on an Indian railway. Il Ry Age 55:989-90 N 21 '13
- Killing weeds with chemicals. Il Ry Age 54:508-9 Mr 14 '13
- Maintenance-of-way department railroad testing plant. B. B. Milner. diags J Fr Inst 176:207-17 Ag '13; Same. Ry Age 55:279-81 Ag 15 '13; Same. Ry & Eng R 53:850-1 S 6 '13
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- Organization for track-elevation work. Eng N 70:1307-8 D 25 '13
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- Portable dragline cableway excavator for concrete aggregates. Il Eng Rec 68:544-5 N 15 '13
- Power-driven and labor-saving appliances for track work. Ry & Eng R 53:963-4 O 11 '13
- Preparing for the season's work. Ry Age 54:351 F 21 '13
- Prevention of accidents to maintenance of way employees. W. E. Davin. Ry Age 54:509-10 Mr 14 '13
- Rail laying. Ry Age 54:905-6 Ap 18 '13
- Report of committee of Am. railway engineering assn. on ballast. Ry Age 54:714-7 Mr 21 '13
- Report of committee of the American railway engineering assn. on tie-plates, track bolts, etc. Ry Age 54:585-92 Mr 19 '13
- Screw spike versus the cut spike. Il Sci Am 108:510 Je 7 '13
- Special equipment on the Bloomingdale road track elevation: C. M. & St. P. Ry. Il Eng Rec 67:701-2 Je 21 '13
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- Staking out track connections. W. H. Wilms. diags Ry Age 54:154-7 Ja 24 '13
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- Temporary structures for supporting railroad tracks. Eng Rec 68:490 N 1 '13
- Temporary structures for supporting tracks. Ry & Eng R 53:1043-6 N 8 '13
- Third and fourth track construction; geological and traffic conditions created unusual problems on New York Central between Albany and New York. Il Ry Age 54:505-7 Mr 14 '13
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Traffic

See Railroads—Passenger traffic

Train crews

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Train load

- Analysis of the determination of economical freight-train tonnages. Eng Rec 67:315-6, 349-51 Mr 22-29 '13
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Trains

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- Predetermination of train energy. W. A. Del Mar and D. C. Woodbury. Elec Ry J 42:1055-6 N 15 '13
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- Train operation sixty years ago. Ry Age 55:339-40 Ag 22 '13

See also Freight car service; Railroads—Train load; Train dispatching; Train resistance

Valuation

- Adamson-La Follette bill for physical valuation. Ry & Eng R 53:169-70 F 22 '13
- Assignment of equipment valuation by states. A. I. Thompson. Ry Age 55:21-3 JI 4 '13
- Board of engineers for government appraisal of railroads. Eng Rec 67:sup 40 My 10 '13
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- Concerning railway valuation. E. Gray, jr. Ry & Eng R 53:105 F 1 '13
- Concerning the railways of sixty years ago. Eng N 70:314-5 Ag 14 '13
- Consulting engineers discuss railway valuation. Elec Ry J 41:936-7 My 24 '13
- Cost of railway construction. Ry & Eng R 53:421 My 3 '13

Railroads—Valuation—Continued.

- Decision of the Supreme court as to railway land valuations. Ry Age 55:89-90 JI 18 '13
- Depreciation in railway valuation. Ry Age 54:1535 Je 20 '13
- Difficult point in the railway valuation law. Eng N 70:829-30 O 23 '13
- Disputed points in railway valuation. Ry Age 54:1056-7, 1118-9, 1164, 1208 My 16-Je 6 '13
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- Huge piece of engineering work: railway valuation act. Eng N 69:476-8 Mr 6 '13
- Indirect results of national railway valuation. J. S. Eaton. Eng M 46:169-76 N '13
- Life of physical railway property: abstract of report. Eng N 70:972-3 N 13 '13
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- Maps for railroad valuation. Ry & Eng R 53:1021 N 1 '13
- Minnesota rate decision. Eng Rec 67:679 Je 21 '13
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- Plans for federal valuation of common carriers. Eng Rec 68:620 N 29 '13
- Plans of Interstate commerce commission for railway valuation. Elec Ry J 42:1137 N 29 '13
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- Railway valuation act: text. Eng N 69:482-3 Mr 6 '13
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- Value of valuation. Elec Ry J 41:667 Ap 12 '13

See also Interstate commerce commission—Railway valuation board

Water supply

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- Oil engine in railway water service. C. R. Knowles. Ry Age 55:289-90 Ag 15 '13
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- Track tanks and locomotive scoops. Eng Rec 67:378-9 Ap 5 '13
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- Water supply. Ry Age 55:784-5 O 24 '13

Yards

- Boston & Maine yard at Mechanicsville, N. Y. Ry Age 55:775-9 O 24 '13
- Chesapeake & Ohio yard at Silver Grove, Ky. plans Ry Age 55:117-8 JI 18 '13
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- New classification yard at Winnipeg. Ry Age 54:889-91 Ap 18 '13
- New coal classification yards of the Philadelphia & Reading Ry. at St. Clair, Pa. J. S. Ward. Ry Age 70:540-8 S 18 '13
- New yards of the Chicago & Alton near Chicago. diags Ry Age 54:1327-8 Je 13 '13
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- Reconstruction of Chicago clearing yard. plans Eng Rec 67:730-1 Je 28 '13
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Africa

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Alaska

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Australia

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Canada

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- See also Canadian Northern railway; Hudson Bay railroad

China

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Colorado

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Railroads—Continued.**Egypt**

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Gasoline-electric train unit for Egyptian railways. *Il plan Ry & Eng R* 53:1018-9 N 1 '13

England

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Europe

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France

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Germany

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Honduras

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Hungary

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India

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Italy

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Kansas

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Minnesota

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New England

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North America

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Oregon

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Peru

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Philippine Islands

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South Africa

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South America

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Switzerland

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Texas

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United States

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 Traffic by land. J. E. Kuhn. Sci Am S 76:138-9 Ag 30 '13

See also Interstate commerce commission

Railroads, Cable. See Cable railroads

Railroads, Electric. See Electric railroads

Railroads, Elevated. See Elevated railroads

Railroads, Industrial

Electrically propelled inclined railway for unloading coal. Il diag Elec W 62:597-8 S 20 '13

Industrial cars solve a difficult problem. Il Concrete Cem 2:102 F '13

Reconstruction of Mahanoy plane, Philadelphia & Reading Ry. co. J. S. Ward. Il plan Eng N 70:1220-7 D 13 '13

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Railroads, Interurban. See Interurban railroads

Railroads, Mountain. See Mountain railroads

Railroads, Narrow gage

Reminiscences of the narrow-gage railroad craze. E. Low. Ry & Eng R 53:286-7 Mr 22 '13

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Railroads, Portable

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Railroads, Street. See Street railroads

Railroads, Suspended. See Suspended railroads

Railroads, Tunnel. See Tunnel railroads

Railroads, Underground. See Subways

Railroads and state

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Reconnaissance, Military. See Military reconnaissance**Recorders**

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Forced circulation hot water system with boilers used interchangeably for steam and hot water, sanatorium of the Metropolitan life insurance co., Mt. McGregor, N. Y. plan Heat & Ven 10:17-24 D '13 (to be cont)
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Compact Peekskill sand and gravel washing plant. *Il plan Eng N* 69:514-5 Mr 18 '13
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Bulkhead and pier for the new port of San Diego, Cal. *Il plan Eng N* 69:498-500 Mr 13 '13
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Water-works organizations and operating methods; St. Paul, Minn., and San Diego, Cal. *Eng N* 70:475-7 S 4 '13
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See also Air pollution; Refuse and refuse
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prevention; Street cleaning; Ventilation;
Water pollution; Water purification; Water
supply engineering

Sanitary laws. See Public health laws

Sanitary science. See Sanitary engineering;
Sanitation

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infection and disinfectants; Factory sani-
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supply

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See also Wood waste

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14:sup 1-4 D '13

See also Woodworking machinery

Scaffolding

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606-8 S 25 '13

See also Shoring and underpinning

Scales, Track. See Track scales**Scales (weighing instruments)**

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Scheelite

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School children

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hygiene

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6 '13

See also Open air schools; Schoolhouses—
Heating and ventilation

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school house planning. F: Squires. II plans
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city. II Arch & Bldg 45:190-3 My '13

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reduced air supply through individual ducts.
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F. Eveleth. plan Heat & Ven 10:13-20 O '13

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room: review of the work and future plans
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Scotia, N. Y.

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Sherardizing. See Galvanizing**Sherman anti-trust law**

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See also **Electric railroads—Signals; Fire alarms; Railroads—Signals**

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Signals, Mine. See **Mine signals**

Signals, Submarine. See **Submarine signals**

Signals, Time. See **Time signals**

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Sleds, Motor. See Motor sleighs

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Stand pipe. See Water towers**Standardization. See Electric apparatus and appliances—Standardization****Standards, Bureau of. See United States—Standards, Bureau of****Standards, Electric. See Electric standards****Standards, Engineering**

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 Cross-sections and symbols. diags Am Mach 38:776-8, 791 My 8 '13
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Stationery factories

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Stations, Railroad. See Railroads—Stations**Statistics, Municipal. See Municipal statistics****Stator coils. See Dynamos****Stauffer, David McNeely, 1845-1913**

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Steam

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Steam—Continued.

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Steam, Superheated. *See* Superheated steam
Steam accumulators
 Steam accumulator-regenerators. *Iron Age* 91:532-3 F 27 '13
 Steam regenerative accumulators. H. Foth-ergill. *diags* *Power* 38:675-8 N 11 '13
Steam and hot water fitters. *See* National as-sociation of master steam and hot water fitters
Steam boilers. *See* Boilers
Steam engineering
 Steam meters. J. A. Knesche. *plans* *Eng M* 44:393-404, 567-77 D '12-Ja '13
See also Boiler plants; Boilers; Evapor-ators; Indicator diagrams; Locomotives; Marine engineering; Steam engines; Steam plants; Steamboats; Stokers; Mechanical; Superheated steam
Steam engineers, American order of. *See* Am-erican order of steam engineers
Steam engines
 Allis-Chalmers engine. R. D. Tomlinson. *Power* 37:643 My 6 '13
 American locomobile. G. S. Cooper. *Elec Ry J* 42:1297 D 20 '13
 American locomobile; Buckeyemobile. *Pow-er* 38:849-51 D 16 '13
 Augustine rotary engine. *Il Power* 37:112-3 Ja 28 '13
 Brownell engine. *Colliery* 33:462-3 Mr '13
 Buckeye-mobile. *Il diag* *Eng & Min J* 96: 913-4 N 15 '13
 Clark gear engine. *plan* *Power* 37:547-8 Ap 15 '13
 Collecting and reusing cylinder oil. E. T. Binns. *Il Power* 38:652-3 N 4 '13
 Compression vs. cylinder condensation. C. Osborne. *Power* 37:196-7 F 11 '13
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 Corliss versus four-valve engine. C. R. Mc-Gahey. *Power* 38:49 Jl 8 '13
 Corliss versus four-valve engines. C. F. Prescott; L. H. Wheat. *Power* 37:503-4 Ap 8 '13
 Damage by water in engine cylinders. *diag* *Power* 38:294-5 Ag 26 '13
 Economy of compression in steam engines. R. R. Fisher. *Il Power* 38:159-61 Jl 29 '13
 Erie City iron works' Lentz simple non-condensing engine. A. P. Hyde. *Power* 38:443-4 S 23 '13
 Experience with old Brown engine. R. A. Cultra. *diags* *Power* 38:479 S 30 '13
 Figuring the indicated horsepower. J. C. Smallwood. *Power* 37:242-3 F 19 '13
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 Flat-curve engine. A. D. Skinner. *Power* 38:157-9 Jl 29 '13
 Gear engine cycle. C. H. Clark. *Sci Am S* 75:318-9 My 17 '13
 German single-cylinder compound engine. *diag* *Power* 38:413-4 S 16 '13
 High-speed engine wrecked at Benson, Minn. T. K. Lee. *Il Power* 37:508-9 Ap 8 '13
 Improved Falls engine stop. *Il diags* *Power* 38:424-5 S 23 '13

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 Improving a high-speed engine. W. H. Wake-man. *diags* *Elec W* 62:242-3 Ag 2 '13
 Lentz steam engine. S. Rosenzweig. *Il plan* *Ind Eng* 13:64-6 F '13
 Locomobiles on the uniflow system. A. Grad-enwitz. *Il Power* 38:714-5 N 18 '13
 Lubricating engines in cold weather. J. C. Hawkins. *Power* 38:762 N 25 '13; *Same. Sci Am S* 76:375 D 13 '13
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 New American-Ball paper-mill engine. *Il Ind Eng* 13:222-4 My '13; *Power* 37:629-30 My 6 '13; *Sci Am S* 75:284-5 My 3 '13
 New cycle of the gear engine. C. H. Clark. *Sci Am* 108:335 Ap 12 '13
 New gear engine. *Il Sci Am* 108:249 Mr 15 '13
 Operating results with an American locomobile. *Elec W* 62:1279-80 D 20 '13
 Overhauling an electric station engine. J. F. Hobart. *Elec W* 61:154 Ja 18 '13
 Philosophy of the uni flow steam engine. *Eng N* 69:1133 My 29 '13
 Present status of the locomobile. W. H. Mil-ler. *Il Elec W* 62:326-7 Ag 16 '13
 Recent improvements in the reciprocating en-gine art. *Il Sci Am* 109:36-7 Jl 12 '13
 Rolling-mill engines. R. L. Streeter. *Il Eng M* 44:16-35 O '13
 Self-contained prime mover: Buckeye-mobile. *Il diag* *Elec Ry J* 42:697 O 11 '13
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 Steam consumption of 4-valve engines. *Pow-er* 37:546-7 Ap 15 '13
 Steam-power unit of remarkable efficiency: Buckeye-mobile. *Il diag* *Ind Eng* 13:399-401 S '13
 Uniflow cylinder adapted to locomobiles. W. H. Miller. *Il Elec W* 62:689-90 O 4 '13
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See also Boilers; Calorimeters and calor-imetry; Condensers (steam); Dredging ma-chinery; Fire engines; Flash point; Fly-wheels; Indicators; Locomotives; Marine engines; Road rollers; Safety valves; Steam jackets; Steam plants; Steam turbines; Steamboats; Superheated steam; Traction engines; Valves and valve gearing

History

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Testing

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 Remarkable maintained economy test. A. D. Skinner. *Power* 38:566 O 21 '13
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Steam fitting. *See* Pipe fittings**Steam flow**

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- Location of steam gages in setting safety valves. C. T. Rommel. *diags* *Ry Age* (Mech ed) 87:533-6 O '13

Steam hammers

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Steam heating

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- Changing a heating plant from high to low pressure steam. C. E. Daniell. diag Heat & Ven 10:17-21 Je '13
- Circuit system and the divided circuit system of steam heating. A. G. King. Dom Eng 64:122-4 Ag 2 '13
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- Condensing plants for large commercial buildings. I. N. Evans. Power 37:88-9 Ja 21 '13
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- District steam heating with high-pressure steam in Cleveland. F. W. Ballard. map diag Power 37:783-6 Je 3 '13; Same. Heat & Ven 10:21-8 Je '13; Same cond. Ind Eng 13:321-2 Jl '13
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- Heating and ventilating apartment house. plans Dom Eng 63:118-26 My 3 '13
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- Heating and ventilation of office buildings. J. Graham. plans Dom Eng 63:276-9 Je 7 '13
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- How to heat building with exhaust steam from plant across street. diag Dom Eng 65:166-7 N 8 '13
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- Reliable vacu-vapor heating system. II Dom Eng 65:52-3 O 11 '13
- Remedy for insufficient heating capacity. II Heat & Ven 10:35-6 Ja '13
- Remodeled heating and ventilating job: Broadway convention hall, Buffalo, N. Y. plans Dom Eng 62:124-6 F 1 '13
- Remodeling a low-pressure steam heating system. diag Dom Eng 64:152-3 Ag 9 '13

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See also Heating; Hot water heating; Steam pipe coverings; Steam pipes

Rates

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Vacuum system

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- Heating and ventilation of office buildings. J. Graham. II plan Dom Eng 64:2-4 Jl 5 '13
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Steam jackets

- Jacketing applied to steam cylinders. H. Hanszel. Power 37:368-70 Mr 18 '13

Steam meters

- Integrating steam-flow meter. II Elec W 61:1267 Je 7 '13
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- Venturi steam meter. C. G. Richardson. II diag Power 38:493-5 O 7 '13

Steam navigation

See also Marine engines; Steamboats

Steam omnibuses. See Motor omnibuses

Steam pipe coverings

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- Efficiency of underground steam mains. Power 37:862-3 Je 17 '13
- Insulating 3,000 ft. of underground steam piping. II Heat & Ven 10:48-9 F '13
- Present practice in insulating underground steam lines. Heat & Ven 10:42-3 Jl '13
- Steam pipe coverings. Eng & Min J 95:805-6 Ap 19 '13
- Unit costs of covering pipe. R. K. Stockwell. Eng & Min J 95:619 Mr 22 '13
- Value of pipe covering in dollars and cents. O. E. Trautmann. Dom Eng 62:126-8 F 1 '13

Steam pipes

- Expansion in high-pressure steam piping. diag Ind Eng 13:351-3 Ag '13
- Maclejewski corrugated tube for steam apparatus. II Ind Eng 13:402 S '13
- Pipe sizes and steam velocities. C. W. Ham. Power 37:558-9 Ap 22 '13
- Pipes and valves. C. A. McAllister. diag Int Marine Eng 18:493-6 N '13
- Sectional conduit system for steam pipes. II Elec W 61:161-2 Ja 18 '13
- Steam pipe troubles. diag Int Marine Eng 18:404-6 S '13
- Steam power plant piping details. W. F. Fischer. diag Mach 19:443-7, 531-4, 600-2, 702-6, 956-60; 20:31-5, 210-3 F-My, Ag-S, N 1 '13

See also Pipe fittings; Steam flow; Steam heating; Steam pipe coverings; Steam traps

Steam plants

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- Comparative cost of gas and steam plants. L. B. Lent. Power 38:365-6 S 9 '13
- Comparative economy of producer gas and steam for pumping stations. Eng Rec 68:262-3 S 6 '13

Steam plants—Continued.

- Conditions when estimating the cost of power plants. F: W. Gay. Power 37:777 Je 3 '13
- Gorge steam station of the Northern Ohio traction & light co., of Akron, O., at Cuyahoga Falls. J. C. Lathrop. II plans Elec W 62:419-24 Ag 30 '13
- Lentz engines in Baltimore office building. W. O. Rogers. II Power 38:556-8 O 21 '13
- New power plant at Weber wagon works, Chicago. A. R. Maujer. II Power 37:730-4 My 27 '13
- New steam turbine connections. G: H. Gibson. diags Iron Age 91:1226 My 22 '13
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- Planning of a large modern steam generating station. Elec W 61:95-6 Ja 11 '13
- Power matters in textile mills. F. W. Dean. Power 37:650-1 My 6 '13
- Rapid construction of Jordan steam station, Salt Lake City. II Eng N 69:216-7 Ja 30 '13
- Regulation of steam heating corporations in New York. Heat & Ven 10:45-7 O '13
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- Waterbury steam plant. C: R. Harte. II Elec W 61:449 Mr 1 '13; Same. Elec Ry J 41:367 Mr 1 '13
- Waterside turbine station at Louisville, Ky. II Elec W 62:837-40 O 25 '13
- See also Boiler plants; Draft; Electric plants; Power plants; Steam; Steam engineering; Steam engines
- Steam power**
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- See also Power; Power cost; Steam engineering; Steam engines; Steam plants
- Steam power plants. See Steam plants**
- Steam pumps. See Pumping machinery**
- Steam regenerative accumulators. See Steam accumulators**
- Steam removal**
- Regulating the air conditions in a glove steaming room of Julius Kayser & co., Brooklyn, N. Y. plans Heat & Ven 10:20-6 Ap '13
- Removal of steam from dye houses. Heat & Ven 10:44 Ap '13
- Steam rollers. See Road rollers**
- Steam separators**
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- Steam shovels**
- Safety rules—steam shovels. Eng & Min J 96:401-2 Ag 30 '13
- Steam shovel for cleaning up overburden from a Mesabi orebody. II Eng & Min J 96:1159-60 D 20 '13
- Steam-shovel work. Eng & Min J 96:1221-2 D 27 '13
- See also Dredging; Excavation
- Steam stuff. Power 37:345-6 Mr 11 '13**
- Steam tables**
- Steam tables. (Engineers' study course) Power 38:346-7 S 2 '13
- Steam traps**
- Application of steam traps for evaporating installations. II Met & Chem Eng 11:533-4 S '13
- Location of steam heat traps on cars. Ry Age (Mech ed) 87:328 Je '13
- Lytton vacuum and lifting trap. II diag Power 38:771 N 25 '13
- Points about steam traps. G: J. Little. II Power 37:59 Ja 14 '13
- Steam traps on exhaust lines. W. H. Wakeman. II Power 38:458-9 S 30 '13
- Traps and piping of return systems. H. L. Peller. Power 37:463 Ap 1 '13
- See also Steam pipes

Steam turbines

- Acadia coal company's steam-turbine plant; generating station for the mines at Stelarton, Nova Scotia, burning culm. II Elec W 61:445-8 Mr 1 '13
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- Cambridge, Mass. central-station practice. II plans Elec W 61:824-6 Ap 19 '13
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- DeLaval velocity-stage turbine. II Power 38:358-9 S 9 '13
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- Developments in turbine reverse buckets. O. D. H. Bentley. II Power 37:523-5 Ap 15 '13
- Direct-current turbo-generators with reduction gears for railway service. II Elec Ry J 41:326-9 F 22 '13
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- Ferranti and his turbine. F. R. Low. diags Power 38:908-11 D 30 '13
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- Ferranti on prime movers. Elec W 61:233-4 F 1 '13
- Ferranti steam gas turbine. Power 37:246-7 F 18 '13
- Field for small steam turbines. W. J. A. London and A. P. Peck. Power 37:214-6 F 18 '13
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- Increase of bore of wheels by centrifugal stresses. diag Mach 19:520-3 Mr '13
- Interborough rapid transit co.; New York city, 30,000-kw. steam turbine generating units. II Eng N 70:428-9 Ag 28 '13
- Limit of steam-turbine size. Power 38:759 N 25 '13
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- New type of Terry condensing turbine. II Power 38:598-9 O 28 '13; Eng M 46:sup 6-8 N '13; Int Marine Eng 18:501 N '13; Ind Eng 13:524-5 D '13
- New York's largest turbine: 30,000-kw. cross-compound turbine for the Interborough's seventy-fourth st. station. II Power 38:323 S 2 '13
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- Problem of the low-pressure steam turbine. Eng Rec 67:595 My 31 '13
- Radial-flow reaction turbine. II Elec W 62:1127-8 N 29 '13
- Re-blading a Parsons steam turbine. N. I. Mosher. II diags Mach 20:257-9 D '13
- Recent developments in steam turbines. H. T. Herr. II plans J Fr Inst 175:91-128, 273-327, 385-412, 511-30 F-My '13

Steam turbines—Continued.

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Should exhaust steam be wasted? P. B. Coulston. *Colliery* 34:41-2 Ag '13
Spiro steam turbine. *il Colliery* 33:464-5 Mr '13

Standard turbine cylinder molding practice. C. A. Tupper. *il Foundry* 41:47-50 F '13

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Steam turbines in a modern isolated plant. *il Power* 38:664-5 N 4 '13

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Testing

Determination of steam consumption. E. B. Smith. *plan Power* 37:441-3 Ap 1 '13

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Steam turbines, Marine

Application to marine service. H. T. Herr. *il plans J Fr Inst* 175:310-27 Mr '13

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See also Ship propulsion; Steamboats

Steam yachts. See Yachts**Steamboat disasters**

Burning of the Sarah Sands. F. B. C. Bradley. *il Int Marine Eng* 18:82-3 F '13

Steamboat inspection

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Steamboats

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See also Boilers, Marine; Ferryboats; Lifeboats; Marine engines; Propellers; Shipbuilding; Ships; Towboats and towing; Warships; Yachts

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hearth process; Railroads ties, Steel; Rails; Semi-steel; Springs (mechanism); Steel castings; Steel construction; Steel industry; Steel ingots; Steel metallurgy; Steel works; Tanks; Tool steel; Tubes; Type, Steel; Vanadium steel; Wire; Wire rope

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See Corrosion and anti-corrosives

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 See also Steel, Heat treatment of

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Steel, Microscopic examination of. See Steel—Testing

Steel, Structural

Drilled holes in structural steel. *Il Iron Age* 92:446 *Ag* 28 '13; *Ind Eng* 13:494 *N* '13
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See also Cars, Steel; Painting, Structural; Steel construction

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Steel cars. See Cars, Steel

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See also Steel ingots; Steel metallurgy

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Steel for tools. See Tool steel**Steel hardening. See Steel, Hardening of****Steel industry and trade**

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See also Iron industry; Rolling mills; Steel works; also United States Steel corporation

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Stereophotographic surveying. See Photographic surveying

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Stoking. See Firing**Stone & Webster engineering corporation, Boston, Mass.**

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Stone

See Limestone; Pavements, Stone; Road materials; Sandstone; Slate

Stone, Artificial

Making a stone manufacturing press. F. A. Stanley. *Il Am Mach* 38:715-8 My 1 '13
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See also Concrete; Concrete, Ornamental; Concrete blocks; Concrete products

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Stone dust

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Stone monuments. *See* Megalithic monuments**Stoping.** *See* Mining engineering**Storage**

See Coal storage; Cold storage; Dynamite storage; Freight houses; Ice storage; Oil storage; Stores system

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See also Electric batteries

Charging

Charging a battery. *Automobile* 28:40-1 Ja 2 '13

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Storage battery locomotive. *See* Electric locomotives

Storage of coal. *See* Coal storage

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See also Stores system

Stores. *See* Department stores; Show cases

Stores, Cooperative. *See* Cooperation

Stores system

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See also Thunderstorms; Tornadoes

Storms

See also Thunderstorms; Tornadoes

Stoves

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New stove foundry at Chicago; plant of Cribben & Sexton co. *Il Iron Age* 91:74-6 Ja 2 '13

See also Electric cookers

Strains and stresses

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- See also* Arches; Bridges—Load; Building; Elasticity; Extensometers; Girders; Graphic statics; Mechanics; Neutral axis; Strength of materials; Trusses; Wind pressure

Stray currents

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See also Electrolytic corrosion

Stray losses. *See* Electric apparatus—Losses; Electric machinery—Losses; Electric motors—Losses**Stream flow**

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See also Floods; Stream measurement; Water flow

Stream measurement

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See also Water flow

Stream pollution. *See* Water pollution**Street accidents**

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See also Street railroads—Accidents

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- Commercial stage of the double deck. Elec Ry J 41:996-7 Je 7 '13
- Convertible car with steel underframe. Il Elec Ry J 42:694-5 O 11 '13
- Design of city cars. Il Elec Ry J 42:561-70 O 4 '13
- Double-deck car for Washington. plans Elec Ry J 41:430 Mr 8 '13
- Double-deck cars for Pittsburgh. Il plans Elec Ry J 41:958-62 My 31 '13
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- Electric railway construction in Paris. Il plans Elec Ry J 42:648-9 O 4 '13
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- Gasoline surface cars in India. Il Elec Ry J 41:427 Mr 8 '13
- Hearings before Mass. railroad commission on heating vestibules and air-brake equipment. Elec Ry J 41:819 My 3 '13
- Height of car step: opinion of New Jersey commission. Elec Ry J 42:1037 N 8 '13

Street cars—Continued.

- Improved type of articulated car. *Il Elec Ry J 41:583-5 Mr 29 '13*
- Increasing the efficiency and reliability of old equipment. *Elec Ry J 41:407 Mr 8 '13*
- Larger car designed for the new subway. *Il Sci Am 109:262 O 4 '13*
- Latest features of Montreal cars. *Il diag Elec Ry J 42:1132-4 N 29 '13*
- Municipal car in San Francisco. *Il Elec Ry J 41:896 My 17 '13*
- Near-side cars for Atlantic City. *Il Elec Ry J 42:940 O 25 '13*
- New cars for Liverpool. *Il plan Elec Ry J 41:591-3 Mr 29 '13*
- New cars for Milwaukee. *Il Elec Ry J 41:386 Mr 1 '13*
- New cars for Rochester, N. Y. *Il plans Elec Ry J 41:644-5 Ap 5 '13*
- New cars of the Chicago railways. *plans Elec Ry J 42:230-2 Ag 9 '13*
- New pay-within car for the Michigan united traction company. *Il Elec Ry J 41:122-3 Ja 18 '13*
- New York city brake order. *J. N. Dodd. Elec Ry J 42:414-9 S 13 '13*
- Operation of trailers in connection with peak load city service in Cleveland. *G. L. Radcliffe. Elec Ry J 41:422-3 Mr 8 '13*
- Opinion and order on New York car step. *Elec Ry J 41:414 Mr 8 '13*
- Pneumatic gong ringer for Kansas City cars. *plan Elec Ry J 41:596 Mr 29 '13*
- Progress in car design during 1912. *Elec Ry J 41:4-5 Ja 4 '13*
- Recommendations for San Francisco cars. *Elec Ry J 41:256-7 F 8 '13*
- Rules against smoking on street cars. *Eng N 69:582-3 Mr 20 '13*
- St. Louis center-entrance motor car. *Il Elec Ry J 42:1062 N 15 '13*
- Sanitary car strap with advertising feature, patented by John F. Newton, jr. *Il Elec Ry J 41:259-60 F 8 '13*
- Single-deck and double-deck prepayment cars for Vienna. *Il plans Elec Ry J 42:182-4 Ag 2 '13*
- Steam turbine street cars for Long Island. *Sci Am 109:183 S 6 '13*
- Third avenue railway converting prepayment cars to non-bulkhead type. *diag Elec Ry J 42:1148 N 29 '13*
- Truckless and single-truck center-entrance cars. *Il plan Elec Ry J 42:1025-6 N 8 '13*
- See also* Car cleaning; Car fenders; Car painting; Car trucks; Car washing; Car wheels; Cars; Electric railroads—Rolling stock; Street railroads

Lighting*See* Car lighting**Street cleaning**

- Automobile truck for refuse and street sweepings. *Il Munic Eng 44:119-21 F '13*
- Care of streets in Chicago: abstract of a report on cleaning and repairing streets. *Eng Rec 68:558-9 N 15 '13*
- Cleaning capital streets. *J. W. Paxton. Il Munic Eng 45:259-61 S '13*
- Cleaning streets in St. Louis, Mo. *J. C. Travilla. Munic Eng 44:439 My '13*
- Cleaning streets in Washington, D. C. *J. W. Paxton. Eng Rec 68:353-4 S 27 '13*
- Comparative street cleaning costs. *T. M. Hurlburt. Munic Eng 45:451 N '13*
- Cost system for street cleaning in Washington. *J. W. Paxton. Eng Rec 68:296-7 S 13 '13*
- Estimating the cost of garbage and refuse collection and haulage in Chicago. *Eng N 69:106-7 Ja 16 '13*
- Five job municipal vehicle. *Il Automobile 29:276-8 Ag 14 '13*
- Motor driven street sweeper used in Oakland, Cal. *Munic Eng 45:167-9 Ag '13*
- Motor sweepers save 12 to 60 per cent. *Il Automobile 28:1064-5 My 22 '13*
- Municipal versus contract street cleaning in Washington. *J. W. Paxton. Eng Rec 68:296 S 13 '13*

- Recent progress in methods and character of street cleaning. *S. Whinery. Eng N 70:570 S 18 '13; Eng Rec 68:295 S 13 '13*
- Squeegee in Berlin. *Il Munic Eng 45:173-4 Ag '13*
- Street and alley cleaning in Chicago. *F. W. Solen. Munic Eng 44:162-3 F '13*
- Street cleaning and garbage collection efficiency studies of the Chicago civil service commission. *Eng N 69:123 Ja 16 '13*
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- Street cleaning costs at Spokane, Wash. in 1912. *S. A. Levington. Eng N 69:404-5 F 27 '13*
- Street cleaning department of Baltimore, Md. *S. S. Scott. Il Munic Eng 45:340-2 O '13*
- Street cleaning efficiency standards for Chicago. *F. H. Cenfild and A. B. Segur. map Eng N 69:402-4 F 27 '13*
- Street cleaning in New York in 1912. *Eng Rec 68:427 O 18 '13*
- Street cleaning without contractors in Washington, D. C. *Eng N 70:681-3 O 2 '13*
- Vacuum road cleaning. *Eng Rec 67:574 My 24 '13*

See also Refuse and refuse disposal; Street sprinkling**Street lighting**

- Cost of municipal electric lighting at Chicago. *R. Palmer. Eng N 70:668 O 2 '13*
- Cost of street lighting in Chicago. *Elec W 62:290 Ag 9 '13*
- Electrical service in European cities. *L. Bell. Elec W 62:637-8 S 27 '13*
- Elements of cost in street lighting. *Elec W 62:1065-6 N 22 '13*
- Hawatha, Kan.—ornamental street lighting. *H. S. Woods. Il Elec W 62:1116-7 N 29 '13*
- Investigation of costs of street lighting in Milwaukee, made by the Railroad commission of Wisconsin. *Elec W 62:632 S 27 '13*
- London's transportation and lighting. *L. Bell. Elec W 62:366-7 Ag 23 '13*
- Luminous-arc installations in Boston, Cambridge, and Lynn, Mass. *Il Elec W 62:469-72 S 6 '13*
- Magnetite-arc lamps at Owatonna, Minn. *Il Elec W 62:645 S 27 '13*
- Ornamental lighting in residential districts: series tungsten system covering all streets of Champaign, Ill. *J. R. Cravath. Il Elec W 62:1264-6 D 20 '13*
- Ornamental lights of Billings, Mont. *J. N. Edy. Il Munic Eng 44:15-6 Ja '13*
- Plan for future street lighting of Chicago. *map Elec W 61:785-6 Ap 12 '13*
- Purpose and methods of street lighting. *K. G. Rennie. Munic Eng 44:259-62 Mr '13*
- Relative merits of the various types of electric arc and incandescent lamps for lighting urban and suburban streets. *H. C. H. Lasker. Stevens Ind 30:37-56 Ja '13*
- Standard specifications for street lighting. *Eng Rec 67:595 My 31 '13*
- Street lighting and fixtures of New York city. *Elec W 61:712-3 Ap 5 '13*
- Street lighting in Fort Wayne, Ind. *Il Elec W 62:594 S 20 '13*
- Street lighting in St. Joseph, Mo. *Il Munic Eng 44:51-2 Ja '13*
- Street lighting with tungsten lamps. *Il Munic Eng 45:523-7 D '13*
- Study of street lighting in Manchester. *Elec W 61:810-1 Ap 19 '13*
- White-way lighting. *Elec W 61:1069-70 My 24 '13*
- Wisconsin commission shows Milwaukee that central-station energy is cheapest. *Elec W 62:577 S 20 '13*

See also Electric lighting**Street-lighting fixtures**

- Construction of concrete lighting standards at Eldorado, Kan. *Il Elec W 62:1331-2 D 27 '13*
- New lamps on Dearborn street, Chicago. *Il Elec W 61:833-4 Ap 19 '13*
- Ornamental concrete lamp posts. *H. G. Hall. Il plan Concrete Cem 2:226-7 My '13*
- Ornamental lighting in Waterloo, Iowa. *C. A. Roby. Munic Eng 44:41-2 Ja '13*

Street-lighting fixtures—Continued.

- Standard lamp post adopted in Chicago, Ill. J. C. Schniedwind. *Il Munic Eng* 44:361-2 Ap '13
 Standard street-lighting fixtures for Chicago. *Il Elec W* 61:51 Ja 4 '13

Street railroad law

- C. S. Sergeant on proposed Nine-hours-in-eleven bills. *Elec Ry J* 41:640 Ap 5 '13
 Chicago surface railways outline proposed plan of merger. *Elec Ry J* 42:698-700 O 11 '13
 Compensation for street-railway use of highway bridge in New Jersey. *Eng Rec* 68:557-8 N 15 '13
 Hearing on Illinois bill limiting hours of labor. *Elec Ry J* 41:854-5 My 10 '13
 Hearings before Mass. railroad commission on heating vestibules and airbrake equipment. *Elec Ry J* 41:819 My 3 '13
 Preliminary draft of Chicago general merger ordinance being prepared. *Elec Ry J* 41:338-9 F 22 '13
 Progress with unification ordinance in Chicago. *Elec Ry J* 42:990-1 N 1 '13
 Proposed changes in Chicago ordinance. *Elec Ry J* 42:189-90 Ag 2 '13
 Proposed Detroit ordinance. *Elec Ry J* 42:38-9 J 5 '13
 Rules on clearances in California. *Elec Ry J* 41:103 Ja 18 '13
 Substance of Chicago's surface railway unification ordinance. *Elec Ry J* 42:1112 N 22 '13
See also Electric railroads—Law; Street railroads—Franchises

Street railroads

- Grade reduction on street railways. C. H. Reeves. *Il Eng N* 69:72-6 Ja 9 '13
 Interurban and street car service defined. *Elec Ry J* 42:1113 N 22 '13
 Reports of Committee meetings of the mid-year meeting, 1913 of Am. Elec. Ry. Assn., 1913. *Elec Ry J* 41:197-205 F 1 '13
See also Car couplings; Car houses; Electric railroads; Elevated railroads; Street cars; Subways; Trackless trolleys

Accidents

- Accident prevention in Boston. E. Dana. *Il Elec Ry J* 41:58-61 Ja 11 '13
 Accident talks to the children of Brooklyn. *Il Elec Ry J* 42:1222-6 D 13 '13
 Features of safety campaign in Memphis, Tenn. *Elec Ry J* 42:144 J 26 '13
 Papers read at 5th annual meeting of Pacific claim agents' assn., Vancouver, July, 1913. *Elec Ry J* 42:103-7 J 19 '13
 Prevention of accidents. *Elec Ry J* 41:812-3 My 3 '13
 Safety work in Seattle. *Elec Ry J* 41:216-7 F 1 '13
 Successful methods of preventing accidents. A. G. Rippey. *Elec Ry J* 41:760-2 Ap 26 '13
See also Safety devices and measures

Buildings

See Car houses

Construction

See Street railroads—Track

Employees

- American electric railway association: report of committee on welfare of employees. *Elec Ry J* 42:812-3 O 16 '13
 Arbitration of terms of service in Detroit. *Elec Ry J* 42:346-7 Ag 30 '13
 Award of arbitrators in Chicago wage controversy. *Elec Ry J* 41:649-50 Ap 5 '13
 Award of Buffalo arbitrators in case of International railway. *Elec Ry J* 42:234 Ag 9 '13
 Boston arbitration hearings. *Elec Ry J* 42:349, 434, 470, 511, 700-1, 941, 993, 1030, 1066-7 Ag 30, S 13-27, O 11, 25-N 15 '13
 Buffalo railway men on strike. *Il Elec Ry J* 41:674-5 Ap 12 '13
 C. S. Sergeant on proposed Nine-hour-in-eleven bills. *Elec Ry J* 41:640 Ap 5 '13
 Cincinnati traction strike. *Il Elec Ry J* 41:80-2 My 17 '13

Co-operative buying for the employees of the Interborough rapid transit company and New York railways company. *Elec Ry J* 41:219 F 1 '13

- Decision of Detroit arbitrators in regard to working conditions and wages. *Elec Ry J* 42:1028-9 N 8 '13
 Detroit wage arbitration. *Elec Ry J* 42:942 O 25 '13
 High school boys as conductors in Denver. *Elec Ry J* 41:975 My 31 '13
 Human factor in fare collection service. J. F. Ohmer. *Elec Ry J* 41:373-4 Mr 1 '13
 Indianapolis arbitration proceedings. *Elec Ry J* 42:1254, 1302-3 D 13-20 '13
 Indianapolis differences placed before commission. *Elec Ry J* 42:1149-50 N 29 '13
 Indianapolis employees close their case. *Elec Ry J* 42:1348 D 27 '13
 Indianapolis labor developments. *Elec Ry J* 42:1202-3 D 6 '13
 Indianapolis strike; settlement. *Elec Ry J* 42:1059-61 N 15 '13
 Indianapolis strike violence. *Il Elec Ry J* 42:1018-21 N 8 '13
 Medical inspection system of the Brooklyn rapid transit co. *Ry & Eng R* 53:708-9 J 26 '13
 New England street railway club meeting. Boston May 22, 1913. *Elec Ry J* 41:973-4 My 31 '13
 Plan for co-operative buying in Philadelphia. *Elec Ry J* 41:855-6 My 10 '13
 Profit-sharing plan of the Washington railway & electric company. W. F. Ham. *Elec Ry J* 42:814-5 O 16 '13
 Psychological tests of motormen. *Elec Ry J* 42:66-7 J 12 '13
 Railway co-operative grocery stores in New York. *Il Elec Ry J* 42:65-6 J 12 '13
 Relations that should exist between railway employees and the supervisory force. N. W. Bolen. *Elec Ry J* 41:1153-4 Je 28 '13
 Re-routing, wages and co-operative buying discussed by Philadelphia rapid transit co. *Elec Ry J* 41:1039-40 Je 7 '13
 Review of the Statesbury management in Philadelphia. *Elec Ry J* 42:1347-8 D 27 '13
 Securing lower purchase prices for employees. *Elec Ry J* 41:838-9 My 10 '13
 Selection and instruction of trainmen. *Elec Ry J* 41:812 My 3 '13
 Selection and instruction of trainmen. D. C. Bell. *Elec Ry J* 41:815-6 My 3 '13
 Terms of settlement of Buffalo International railway strike. *Elec Ry J* 41:730 Ap 19 '13
 Terms of settlement of Cincinnati strike. *Elec Ry J* 41:939 My 24 '13
 Welfare work on Brooklyn rapid transit system. H. A. Bullock. *Elec Ry J* 42:285-7 O 16 '13

See also Electric railroads—Employees

Equipment

- New York city brake order. J. N. Dodd. *Elec Ry J* 42:414-9 S 13 '13

See also Electric railroads—Equipment; Sanders; Street cars

Exhibits

- Railway exhibit at Pittsburgh. *Il Elec Ry J* 42:692-3 O 11 '13

Fares

- American electric railway transportation & traffic association and Accountants' association: report of committee on fares and transfers. *Elec Ry J* 42:811 O 16 '13
 Cost of carrying a passenger, and proposed work of the Bureau of fare research. E. Gruhl. *Elec Ry J* 42:893-4 O 18 '13
 Discussion on rates and fares. W. J. Clark. *Elec Ry J* 41:192-5 F 1 '13
 Discussion on the Milwaukee fare decision. *Elec Ry J* 41:110-1 Ja 18 '13
 Fare collecting and recording in Buffalo. *Elec Ry J* 42:342 Ag 30 '13
 Human factor in fare collection service. J. F. Ohmer. *Elec Ry J* 41:373-4 Mr 1 '13
 Joint meeting of the Accountants' and Transportation & traffic associations discusses fares and transfers and express and freight traffic. *Elec Ry J* 42:798-800 O 16 '13

Street railroads—Fares—Continued.

- Low fare ordinance passed in Toledo. Elec Ry J 42:1201 D 6 '13
 Prepayment zone system inaugurated at Leicester. Elec Ry J 41:720 Ap 19 '13
 Proceedings of 4th annual midyear conference of Am. Elec. Ry. Assn., 1913. Elec Ry J 41:184-196 F 1 '13
 Profitable limit of five-cent street-railway fare. H: G. Bradlee. Eng N 69:214-5 Ja 30 '13
 Providence, R. I.—Rooke system of automatic fare collection. II Elec Ry J 41:643 Ap 5 '13
 Report of experts on the result of operation at reduced fare in Toledo. Elec Ry J 41:263 F 8 '13
 When a reduced rate of fare should not be made. Elec Ry J 41:532 Mr 22 '13
 Wisconsin Supreme court decision in Milwaukee fare case. Elec Ry J 41:1081 Je 14 '13

See also Street railroads—Transfers**Finance**

- Annual reports. Elec Ry J 41:167-9 Ja 25 '13
 Arbitration of operating expense charges in Cleveland. Elec Ry J 41:925-9, 971-3, 1070-6 My 24-31, Je 14 '13
 Arbitration result in Cleveland. Elec Ry J 41:1184-5 Je 28 '13
 Brooklyn rapid transit. Ry Age 55:485 S 19 '13
 Decision of Board of arbitration in the Cleveland case: text. Elec Ry J 41:1159-62 Je 28 '13
 Economics of the Cleveland railway situation as developed in the 1913 arbitration decision. C. N. Duffy. Elec Ry J 42:770-3 O 15 '13
 Electric railway situation. Elec Ry J 41:8-9 Ja 4 '13
 Estimates based on proposed merger of Chicago surface lines. Elec Ry J 41:1032 Je 7 '13
 Final report on San Francisco. Elec Ry J 41:844-52 My 10 '13
 Financial aspects of the relief of congestion by the construction of subways and viaducts. C: S. Sergeant. Elec Ry J 42:813-4 O 16 '13
 4th annual report of Board of supervising engineers, Chicago traction, for year ended Jan. 31, 1911. Elec Ry J 41:809-11 My 3 '13
 Investment in electric railway securities. A. M. Harris. Eng M 46:421-3 D '13
 Issues in Cleveland. Elec Ry J 41:957 My 31 '13
 Kansas City receivers' report to the U. S. court. Elec Ry J 42:38 JI 5 '13
 Present tendency of street railway operating expenses. J. J. Burlleigh. Elec Ry J 41:187-9 F 1 '13
 Proceedings of 4th annual midyear conference of Am. Elec. Ry. Assn., 1913. Elec Ry J 41:184-196 F 1 '13
 Profitable limit of five-cent street-railway fare. H: G. Bradlee. Eng N 69:214-5 Ja 30 '13
 Proper recognition for "going value." Elec Ry J 41:533 Mr 22 '13
 Report on street railway system of Kansas City. Elec Ry J 41:716-20 Ap 19 '13
 San Francisco municipal railway. map Elec Ry J 42:672-3, 686-8 O 11 '13
See also Street railroads—Fares; Street railroads—Franchises; Street railroads—Valuation

Franchises

- Arbitration of operating expense charges in Cleveland. Elec Ry J 41:925-9, 971-3, 1070-6 My 24-31, Je 14 '13
 Cleveland franchise is not a solution. Elec Ry J 42:918-9 O 25 '13
 Decision in Des Moines franchise case. Elec Ry J 41:650 Ap 5 '13
 Economics of the Cleveland railway situation as developed in the 1913 arbitration decision. C. N. Duffy. Elec Ry J 42:770-3 O 15 '13
 Franchise progress in Kansas City. Elec Ry J 42:469-70, 510-1 S 20-27 '13

- Kansas City franchise developments. Elec Ry J 42:1149 N 29 '13
 Kansas City street railway—proposed ordinance granting a thirty-year franchise. Elec Ry J 42:1029 N 8 '13
 Mayor Jost's ideas on new franchise. Elec Ry J 41:555 Mr 22 '13
 Terms of proposed agreement between Cincinnati traction company and the city. Elec Ry J 41:648-9 Ap 5 '13

Management

- Alternate-stop plan in Cleveland. Elec Ry J 41:141 Ja 25 '13
 American electric railway transportation & traffic association: report of committee on passenger traffic. Elec Ry J 42:849-50 O 17 '13
 Caring for lost articles in Boston. E: Dana. Elec Ry J 42:68-9 JI 12 '13
 Claims department. E. F. Schneider. Elec Ry J 42:22-4 JI 5 '13
 Disciplining trainmen and recording turn-ins at Muskogee, Okla. Elec Ry J 42:1332-3 D 27 '13
 Dispatching and handling street cars and train crews. E: Hammett. Elec Ry J 41:108-9 Ja 18 '13
 Experience with one-man-operated cars. Elec Ry J 41:578-82 Mr 29 '13
 How service requirements are ascertained in Boston. E: Dana. Elec Ry J 42:340-1 Ag 30 '13
 Investigation of street railway service at Boston. Elec Ry J 42:1296 D 20 '13
 One-man cars of the Detroit united railways. II Elec Ry J 42:1335 D 27 '13
 Operating economies. J. S. Doyle. Elec Ry J 41:1148-51 Je 28 '13
 Park management and its transportation problems. C. F. Crane. Elec Ry J 41:507 Mr 15 '13
 Proposed co-operative store and other improvements in Philadelphia. Elec Ry J 41:254 F 8 '13
 Report of Board of supervising engineers, Chicago traction on Chicago rolling stock, for year ended Jan. 31, 1911. Elec Ry J 41:893-6 My 17 '13
 Report of the joint committee of Am. electric railway engineering and Transportation & traffic associations on train operation for city service. Elec Ry J 42:775-7 O 15 '13
 Report on traffic conditions in St. Louis. Elec Ry J 41:676-8 Ap 12 '13
 Review of the Statesbury management in Philadelphia. Elec Ry J 42:1347-8 D 27 '13
 Service equipment and operation in Chicago. Elec Ry J 42:265-8 Ag 16 '13
 Service improvement in Rochester. Elec Ry J 42:176 Ag 2 '13
 Service order for Milwaukee lines. Elec Ry J 42:1182-6 D 6 '13
 Tale of two cities. W: A. Heindle. Elec Ry J 41:506-7 Mr 15 '13
 Tests of two-car trains in city service. Elec Ry J 42:935-6 O 25 '13
 Train operation for city service. Elec Ry J 42:10-6 JI 5 '13
 Uses of the one-man car. Elec Ry J 41:572 Mr 29 '13

Public relations

- Public relations discussed by New York electric railway association. Elec Ry J 42:1227-32 D 13 '13

See also Street railroad law; Street railroads—Franchises; Street railroads—Valuation

Schedules

- American electric railway transportation & traffic association: report of committee on schedules and timetables. Elec Ry J 42:847-8 O 17 '13
 Construction of crew and car schedules. J: J. Dempsey. Elec Ry J 41:1151-3 Je 28 '13
 Schedule boards for city lines. Elec Ry J 41:72 Ja 11 '13
 Timetable making in Buffalo. Elec Ry J 42:504-5 S 27 '13

Street railroads—Continued.**Terminals**

Proposed street railway terminal for Newark. II plans Elec Ry J 41:246-7 F 8 '13

Track

Cast-weld joints and steel ties in Brooklyn. II Elec Ry J 42:920-4 O 25 '13
Cincinnati traction company's track construction methods. II Elec Ry J 42:1086-8 N 22 '13
Maintenance of way in Syracuse. Elec Ry J 42:1187-8 D 6 '13
Modern methods in track bed construction: concrete base, steel cross ties. II diag Concrete Cem 3:60-1 Ag '13
Paving protector used with T-rail in Memphis, Tenn. II Elec Ry J 42:1145 N 29 '13
Steel tie and concrete track construction at Springfield, Mo. Elec Ry J 41:208-9 F 1 '13
T-rail in paved streets. R. C. Cram. II Elec Ry J 42:368-73 S 6 '13
Track construction in Cleveland, Ohio during 1912. plan Elec Ry J 41:104 Ja 18 '13
Track construction in paved streets. II Elec Ry J 42:525-41 O 4 '13
Track improvement in Cleveland. II plan Elec Ry J 41:886-7 My 17 '13
Track improvements at Montreal. diag Elec Ry J 42:969-70 N 1 '13
Track maintenance and reconstruction in San Francisco. II Elec Ry J 41:462-7 Mr 15 '13
Track rehabilitation on the International street railway, Buffalo. II plan Elec Ry J 42:263-4 Ag 16 '13
Two methods of paving street-railway tracks. diag Eng N 70:1229 D 18 '13

See also Electric railroads—Track; Rails

Transfers

American electric railway transportation & traffic association and Accountants' association: report of committee on fares and transfers. Elec Ry J 42:811 O 16 '13
Joint meeting of the Accountants' and Transportation & traffic associations discusses fares and transfers and express and freight traffic. Elec Ry J 42:798-800 O 16 '13
Transfer issuing and recording machine. II Elec Ry J 42:1065 N 15 '13

Valuation

Appraisal of the city lines of the Detroit unified railway. plan Elec Ry J 41:897-8 My 17 '13
Something along the line of physical and intangible valuation as covered by recent legislation. R. B. Rifenberick. Elec Ry J 41:1163-7 Je 28 '13
Street-railway valuation in Kansas City. Mo. Eng N 69:1053-7 My 22 '13
Value of property in New York reorganization case. Elec Ry J 41:381-2 Mr 1 '13

Boston

Accident prevention in Boston. E: Dana. II Elec Ry J 41:58-61 Ja 11 '13

Brazil

Street car ambulance. Sci Am 108:316 Ap 5 '13

Chicago

Chicago surface railway officials advocate traction merger. Elec Ry J 41:157-8 Ja 25 '13

Detroit

Decision of Supreme court in Fort street case, Detroit. Elec Ry J 41:1030-1 Je 7 '13

Detroit's municipal ownership charter amendments. Elec Ry J 41:557 Mr 22 '13

Great Britain

British tramway statistics for 1911-1912. Elec Ry J 42:67 Jl 12 '13

12th annual conference of Municipal tramways association. Elec Ry J 42:689-90 O 11 '13

Unsuccessful municipal tramways in England. Elec Ry J 42:171 Ag 2 '13

Kansas City

Franchise negotiations in Kansas City resumed. Elec Ry J 41:1031 Je 7 '13
Report on street railway system of Kansas City. Elec Ry J 41:716-20 Ap 19 '13

Massachusetts

Report of Massachusetts railroad commission, 1912. Elec Ry J 41:162 Ja 25 '13

New York

Example of good publicity in statement of N. Y. railways co. Elec Ry J 41:281 F 15 '13

San Francisco

Final report on San Francisco. Elec Ry J 41:844-52 My 10 '13
Reports on San Francisco conditions. Elec Ry J 41:62-6 Ja 11 '13
San Francisco municipal railway. map Elec Ry J 42:672-3, 686-8 O 11 '13
Street railway traffic congestion in San Francisco. Eng Rec 67:41 Ja 11 '13
Transfers between San Francisco's municipal and corporation street railways. Munic Eng 45:44-6 Jl '13

Syracuse, N. Y.

Exhibit of New York state railways at Syracuse. II Elec Ry J 41:974-5 My 31 '13

Toronto

Proposed sale of Toronto utilities to the city. Elec Ry J 42:941-2 O 25 '13; Same. Elec W 62:832-3 O 25 '13
Report on Toronto conditions. Elec Ry J 41:968-70 My 31 '13
Valuation of Toronto public utilities. Elec Ry J 42:1053-4 N 15 '13

United States

Mr. Dalrymple's impressions of his visit. Elec Ry J 42:932-3 O 25 '13

Street railroads, Municipal

San Francisco municipal railway. map Elec Ry J 42:672-3, 686-8 O 11 '13
Unsuccessful municipal tramways in England. Elec Ry J 42:171 Ag 2 '13

Street sprinkling

Sprinkling and oiling streets, St. Paul, Minn.: organization, methods, cost, and method of assessing cost. Eng N 70:295-7 Ag 14 '13

Street traffic

Automobiles and pedestrians. F: J. Hillman. II Automobile 29:228-9 Ag 7 '13
Congestion of traffic on Fifth ave., N. Y. Munic Eng 44:433-4 My '13
Dangers of street traffic and danger signals. F: R. Hutton. Sci Am S 75:235 Ap 12 '13
Motor omnibus accidents in London. Eng. H. R. Wilson. Eng N 70:550-2 S 18 '13
New street traffic regulation at Los Angeles, Cal. C: K. Mohler. Eng N 69:895 My 1 '13
Proposed standard record of street traffic. II Eng N 69:4-6 Ja 2 '13

Protecting street traffic from falling objects during building construction at Dey street, New York city. plan Eng N 70:356 Ag 21 '13
Regulating standing of vehicles on the street, in Birmingham, Ala. Munic Eng 44:123 F '13

Trackless-trolley motor for assisting haulage on a steep-grade street at Altona, Germany. J. P. Schroeter. II Eng N 70:253 Ag 7 '13

Streets

Cave-in of Randolph street, Chicago. II Eng Rec 68:677-8, 715-6 D 13, 27 '13

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See also Asphalt; Grading; Pavements; Roads; Sidewalks; Street cleaning; Street traffic

Strength of materials

Bending strength of yellow-pine timber. J. J. Morgan. Eng Rec 67:608-9 My 31 '13

Bending strength of yellow-pine timber. A. T. North. Eng Rec 68:27-8 Jl 5 '13

Strength of materials—Continued.

- Combination concrete and cast iron for columns and arch ribs. *Il Eng N 70:864-5 O 30 '13*
- Comparative test of two full-sized reinforced-concrete flat-slab panels. H: T. Eddy. *Il Eng N 69:624-8 Mr 27 '13*
- Comparative tests on fir cross-arms. *Il Elec W 61:318 F 8 '13*
- Concrete beams for underground use. *diags Eng & Min J 95:1095 My 31 '13*
- Distribution of deformations in stressed metal. C. Frémont. *Am Soc M E J 35:1297-1301 Ag '13*
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See also Elasticity; Strains and stresses

Stresses. *See Strains and stresses*

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Students

See also Colleges and universities

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Submarine painting. *See Painting, Submarine*

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Sugar beet. See Beets and beet sugar**Sulphides**

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See also Locomotives—Superheaters

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Supply cars. See Cars (supply)**Supreme court. See United States—Supreme court****Surgery**

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See also Leveling; Railroad surveying

Surveying, Hydrographic. *See* Hydrographic surveying**Surveying, Photographic.** *See* Photographic surveying**Surveying, Topographical.** *See* Topographical surveying**Surveying instruments**

See Barometer; Steel tape; Stereocomparator

Suspended railroads

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See also Cableways; Telpherage

Suspension bridges. *See* Bridges, Suspension**Swaging machines**

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Swain, George Fillmore, 1857-

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Swamps. *See* Marshes**Swank, James Moore, 1832-**

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Sweden**Industries and resources**

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Sweepers, Motor. *See* Street cleaning**Sweeping**

See also Vacuum cleaning

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Swine

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Swing bridges. *See* Drawbridges**Switch damper.** Development of the. W. J. S. Baldwin. plans Heat & Ven 10:22-5 Ja '13**Switchboards**

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See also Electric switches

Switches, Electric. *See* Electric switches**Switches, Railroad.** *See* Railroads—Switches**Swords**

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Sydney, Australia**Rapid transit**

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Symbols. *See* Engineering notation**Symbols, Electric.** *See* Electric symbols**Synchronizing**

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Synchronous motors. *See* Electric motors, Synchronous**Syndicalism**

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Synthetic stone. *See* Stone, Artificial**Syntonzers**

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T

T-rails. *See* Rails**Tachometers**

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Tailings

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Talc

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Talking machines. *See* Phonograph**Talking moving pictures.** *See* Moving and talking pictures**Tall buildings.** *See* High buildings**Tamping machines**

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Tanbark. *See* Tan bark**Tank cars**

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Motor tank ship Wotan. *Il Int Marine Eng* 18:496 N '13
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New plant of the Prest-O-Lite company, Indianapolis, making tanks for distributing acetylene gas. *Il plan Iron Age 92:489-95 S 4 '13*

Proportioning the shell plating of tanks. *Eng N 69:170-1 Ja 23 '13*

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Tanks for vegetable oil. *Concrete Cem 2:124 Mr '13*

See also Grain elevators; Imhoff tanks; Railroads—Water supply; Septic tanks; Tank cars; Tank ships; Water towers

Tanks, Water. *See* Water towers

Tanneries

Tannery buildings in reinforced concrete for American hide & leather co., Lowell, Mass. *Il Concrete Cem 2:171-2 Ap '13*

Tanning

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Synthetic tannin. *Sci Am S 76:147 S 6 '13*

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Separation of niobium and tantalum. *Eng & Min J 95:1250 Je 21 '13*

Tapers

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Turning tapers on a lathe. *F. W. Roth. Am Mach 38:778 My 8 '13*

Tapestry

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Tap fluting cutters. *diags Mach 19:508-9 Mr '13*

See also Screw machines

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See also Roads, Tarred

Target practice

Shooting at moving pictures. *Il Sci Am 109:49 Ji 19 '13*

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Tariff

See also Customs service

United States

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Tarred roads. *See* Roads, Tarred

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Task work. *See* Time study

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Houston's plan of taxation. *J. J. Pastoriza. Munic Eng 45:235-6 S '13*

See also Appraising; Automobiles—Taxation; Corporations—Taxation; Income Tax; Mine taxation

Taximeters

Mechanical principle of Selman taximeter. *diags Automobile 29:246-7 Ag 7 '13*

Taylor system. *See* Scientific management

Tea

Furnishing tea for workmen. *Il Ind Eng 13:369-70 S '13*

Teaching

Efficiency in learning: a practical result of experimental pedagogy. *P. R. Radosavljevich. Il Sci Am 109:179-80 S 6 '13*

See also Education

Technical education

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Municipal need of technically trained men. *R. Blankenburg. Sci Am 108:342 Ap 12 '13*

Technical education—Continued.

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See also Apprentices; Corporation schools; Engineering education; Industrial education; Mining schools and education; Railroad education; Trade schools

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See also Engineering literature

Technical papers

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Technology

See Chemistry, Technical; Engineering; Manufactures; Metallurgy; Technical education

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Gott patent for submarine cable signaling. plan Elec W 61:658-9 Mr 29 '13

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See also Aeronautics; Automobiles; Barges; Canals; Carriers; Coal handling; Demurrage; Electric railroads; Express service; Freight; Freight car service; Freight handling; Harbors; Mechanical handling; Motor trucks; Packing for shipment; Ports; Postal service; Railroads; Roads; Shipping; Street railroads; Street traffic; Telegraphy; Trucks; Waterways

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See also Electric trucks; Motor cycle trucks; Motor trucks

Trucks, Car. See Car trucks**Trucks, Electric. See** Electric trucks**Trucks, Motor. See** Motor trucks**Trusses**

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See also Coal-tar trust; Sherman anti-trust law

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Tube mills. See Gold milling**Tuberculosis**

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See Reclamation service

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See Shipping—United States

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V

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 and storing material at Roehm & Davi-
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See also Aqueducts; Canals; Dams; Filters and filtration; Hydraulic engineering; Irrigation; Plumbing; Pumping machinery; Pumping stations; Water hammer; Water meters; Water pipes; Water towers; Waterworks; also Catskill aqueduct; Los Angeles aqueduct

Water tanks. See Water towers**Water-tight boxes**

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Waves

See also Vibration

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Mechanical and electric traction on the Paris streets. J. Boyer. *Il Eng M* 44:65-9 O '12
Oxweld cutting and welding process. *Il Ry & Eng R* 53:570-1 Je 14 '13
Oxy-acetylene and electric welding. *Ry Age* (Mech ed) 87:315-6 Je '13
Oxyacetylene boiler welding. H. Cave. *Il Power* 38:240-2 D 30 '13
Oxy-acetylene welding and cutting in European commercial and railway repair establishments. H. W. Jacobs. *Il Ry Age* 54:475-8 Mr 14 '13
Oxyacetylene welding and cutting operations. *Il Eng N* 69:1062-3 My 22 '13
Portable 300-ampere multiple unit welding machine. *Il Iron Age* 92:132-4 Jl 17 '13
Repairing a 12-in. shaft without removal. *Il Eng & Min J* 95:1281-2 Je 28 '13
Selection of operators for oxy-acetylene welding. J. C. Reid. *Am Eng* 87:243 My '13

Simplified form of thermit rail welding. *Il Elec Ry J* 41:76-7 Ja 11 '13

- Thermit for naval use. L. E. Browne. *Il Sci Am S* 76:116 Ag 23 '13
Welding and cutting with oxygen and illuminating gas. *Il Ry Age* 55:196-7 Ag 1 '13
Welding broken iron light poles. *Il Iron Age* 91:1115 My 8 '13
Welding hollow drill steel. *Il Eng & Min J* 95:421-2 F 22 '13
Welding hollow drill steel. *Eng Rec* 67:209 F 22 '13
Welding locomotive boiler tubes. *Power* 38: 109-10 Jl 15 '13
Welding nickel. *Il Sci Am S* 76:256 O 18 '13
Welding of steam boilers. H. Jaeger. *Am Soc M E J* 35:1060-2 Je '13
Welding repairs to boilers. *Sci Am S* 76:33 Ag 5 '13
Welding superheater tubes. *Ry Age* (Mech ed) 87:315 Je '13

See also Electric welding; Solder and soldering

Welding, Electric. See Electric welding

Welfare work in industry

- Bathing facilities in industrial plants: physiological benefits of hot and cold baths. T. Darlington. *Il Eng M* 46:428-30 D '13
Calumet & Hecla social service work. *Eng & Min J* 96:686 O 11 '13
Co-operation in the Buick plant. *Il Automobile* 29:1193 D 25 '13
Economy of a works hospital system. *Sci Am S* 75:356 Je 7 '13
Efficiency increased by workmen's lunch room. *Iron Age* 92:1245 N 27 '13
Employees' activities at Cleveland crane & engineering co.'s plant. Wickliffe, O. F. L. Prentiss. *Il Iron Age* 91:710-1 Mr 20 '13
Furnishing tea for workmen. *Il Ind Eng* 13: 369-70 S '13
German factory savings banks. C. Kohlmann. *Am Mach* 38:762 My 8 '13
Interest in employees beyond the works. *Iron Age* 91:834-5 Ap 3 '13
Living conditions on the Lake Superior ranges. *Il Iron Tr R* 52:245-8 Ja 23 '13
New Year's statement by President Vall concerning sick benefits, etc. for employees of the American telephone and telegraph co. and of the Western union telegraph co. *Elec R & W Elec'n* 62:82 Ja 11 '13
Provisions for employees in works of the Underwood typewriter. J. Stedman. *Il Iron Age* 92:706-8 O 2 '13
Rational mine sociology; amusement hall of the H. C. Frick coke co. *Il Mines & Min* 33:303-4 Ja '13
Republic rubber company builds clubhouse. *Il Automobile* 29:78 Jl 10 '13
Tea kitchen in a German shop. *Il Iron Age* 92:284-5 Ag 7 '13
Ten-cent protective system. D. McKillop. *Mach* 19:952-3 Ag '13
Trained nurse in welfare work. *Iron Tr R* 52:915-6 Ap 17 '13
Welfare of employees. *Eng & Min J* 95:1041-2 My 24 '13
Welfare work at the Utica drop-forge & tool co.'s shop, Utica, N. Y. *Il Mach* 19: 502-3 Mr '13
Welfare work in American rolling mill co., Middletown, O. *Il Iron Age* 91:760-2 Mr 27 '13
Welfare work of the steel corporation. *Eng & Min J* 95:1185 Je 14 '13
Welfare work on Brooklyn rapid transit system. H. A. Bullock. *Elec Ry J* 42:825-7 O 16 '13
Welfare work raises Goodyear co.'s efficiency. *Automobile* 28:1318-9 Je 26 '13
Westchester electric railway building for employees. Mount Vernon, N. Y. *Il plan Elec Ry J* 42:971-2 N 1 '13
See also Coal miners; Factory sanitation; Mine sanitation

Welland ship canal

- New Welland ship canal. plan map *Eng N* 70:598-602 S 25 '13

Welland ship canal—Continued.

Proposed Welland ship canal. map Eng Rec 68:35-6 J1 12 '13

Wells

Auxiliary deep-well water-supply with electric pumps. diag Eng N 70:346-7 Ag 21 '13
Connecting a shallow well to a deep well with dynamite. Eng Rec 67:194-5 F 15 '13
Sanding in well screens, casing and pipes. L. J. Putnam. diag Ry Age 54:1099 My 16 '13
Yield of limestone and sandstone wells. II Munic Eng 45:36-40 J1 '13

See also Artesian wells; Gas, Natural; Petroleum; Springs; Water, Underground

Wendt, Edwin F.

Sketch. por Ry & Eng R 53:466 My 17 '13

West End consolidated mining co., Tonopah, Nev.

Summary of the annual report for year ended Mr. 31, 1913. Eng & Min J 96:1076 D 6 '13

West Virginia mining institute

Morgantown meeting, June, 1913. Colliery 34: 56-7 Ag '13

Western association of electrical inspectors

Annual convention, 1913; list of committees and speakers. Elec R & W Elec'n 62:94-5 Ja 11 '13

Eighth annual convention, 1913. Elec W 61: 286-8 F 8 '13

Westinghouse, George, 1846-

Westinghouse receives Grashof medal. por Elec W 62:1145-6 D 6 '13

Westinghouse electric & manufacturing company

Annual report for year ending March 31, 1913. Elec Ry J 41:944 My 24 '13

Westinghouse turbines

Recent developments in steam turbines. H. T. Herr. II plans J Fr Inst 175:273-88 Mr '13

Wharves

Economical wharf-bulkhead. W. M. Torrance. II Eng N 70:710-2 O 9 '13

See also Docks; Piles and pile driving

Wharves, Concrete

Reinforced-concrete wharf with grouted foundations; harbor improvement at Iloilo. P. I. W. T. Howe. II Eng N 70:1003-10 N 20 '13

Wheel guards

Fender and wheel-guard tests in Vancouver. Elec Ry J 42:968-9 N 1 '13
Paris bus company tests splashguards. II Automobile 29:253 Ag 7 '13

Wheeling & Lake Erie railroad

Resurvey of the Wheeling & Lake Erie. D. M. Taylor. maps Ry & Eng R 53:1060-3 N 15 '13

Wheels

Ashton wheel press recording gage. II Ry Age (Mech ed) 87:447 Ag '13
Cast-steel wheels for trucks. diags Automobile 28:805-6 Ap 10 '13

Drop test of heat-treated chrome-vanadium wheels. Ry Age 55:573-4 S 26 '13; Same. Ry & Eng R 53:940 O 4 '13

History and problems of the steel wheel. J. C. Neale. Iron Tr R 53:777-80 O 30 '13

Increase of bore of high-speed wheels of centrifugal stresses: abstract and discussion of paper by S. A. Moss. Am Soc M E J 35: 623-8 Ap '13

Increase of bore of wheels by centrifugal stresses. diag Mach 19:520-3 Mr '13
Repairing a large rope sheave. H. L. Handley. diags Colliery 33:604-5 Je '13

Road tests of chrome-vanadium wheels. Iron Age 91:485 F 20 '13

Steel-tired, forged and rolled-steel wheels. M. D. Hayes. Elec Ry J 42:1101-4 N 22 '13

See also Automobiles—Wheels; Axles; Car wheels; Emery wheels; Flywheels; Gearing; Grinding wheels; Motor trucks—Wheels; Propellers; Pulleys; Snow-plows; Tires; Turbines; Water wheels

Whip (drama)

"Whip" and its mechanism: a ponderous melodrama. II Sci Am 108:89 Ja 25 '13

Whistles

Shape and sound in whistles. G. Michaud. II Sci Am 108:542 Je 14 '13

White, Sir William, 1845-1913

Sketch. Sci Am 108:238 Mr 15 '13

White Island, New Zealand

White Island sulphur deposit. II Eng & Min J 96:815-7 N 1 '13

White lead

Handling white lead: a sanitary mechanical system for eliminating dust. II Sci Am S 76:34 J1 19 '13

Manufacture of sublimed white lead. J. A. Schaeffer. II Eng & Min J 95:411-2 F 22 '13

White lead and oxides in 1912. Eng & Min J 95:66-7 Ja 11 '13

Whitedamp

Gases met with in coal mines. Colliery 33: 492-3 Ap '13

Whitewash

Light house whitewash. Concrete Cem 3:172-3 O '13

Wild rice

How the Indians harvest wild rice. Sci Am 108:365 Ap 19 '13

Willemstad, Curaçao

Improving a harbor of Curaçao. H. C. Plummer. map II Sci Am 108:474-5 My 24 '13

Wilmington, Delaware**Harbor**

Dredging problems in Wilmington harbor, Delaware. R. R. Raymond. map Eng N 69: 938-41 My 8 '13

Wilson, William Bauchop, 1862-

Coal miner in the U. S. cabinet. Colliery 33: 520 Ap '13

Winches

Power winches for hauling trailers. diag Automobile 29:559 S 25 '13

Winchester cathedral

Saving a cathedral with a diver: how Winchester was furnished with a new foundation. J. W. Overend. II Sci Am 108:428 My 10 '13

Wind. See Winds**Wind pressure**

Stream lines around obstacles to air currents. II Sci Am S 75:268-9 Ap 26 '13

Two common faults in detailing windbracing. H. Arthur. plan Eng N 69:572-3 Mr 20 '13

Wind pressure on ocean liners. Sci Am 109: 158 Ag 30 '13

Wind stresses in buildings. C. T. Morris. Eng N 69:862-3 Ap 24 '13

Windbracing without diagonals for steel-frame office-buildings. R. Fleming. Eng N 69:492-6 Mr 13 '13

Windbreaks

Tree windbreaks to replace portable snow fences. II Eng Rec 68:47 J1 12 '13

Windbreaks, Concrete

How to build concrete wind break fences. II Concrete Cem 2:185-6 Ap '13

Windmills

Future of the windmill. Sci Am 108:309 Ap 5 '13

Windows

Returning to the casement window. A. T. Covell. II Arch Rec 33:435-48 My '13

Winds

Distribution of wind velocity around a rod. J. T. Morris. diags Sci Am S 76:252-3 O 18 '13

Temperature equivalent of wind velocities. Elec R & W Elec'n 62:108-9 Ja 11 '13

Wind structure. W. J. Humphreys. J Fr Inst 175:229-41 Mr '13

See also Tornadoes

Windshields

Windshields. II Automobile 28:364-5 Ja 30 '13

Winnipeg**Water supply**

Proposed Shoal Lake or Greater Winnipeg aqueduct. Eng N 70:628-30 S 25 '13

Wire

Four-slide tools for a wire-forming job. C. L. Lucas. Il diag Mach 19:773-4 Je '13
Making steel wire belt lacing. Il Mach 20: 194-6 N '13
Morgan safety device for wire drawing blocks. Il plan Iron Tr R 53:876-7 N 13 '13
Sawing a bridge with a wire. J. Boyer. Il Sci Am 109:228 S 20 '13
Wire and wire rods. K. B. Lewis. Il plans diags Iron Tr R 53:581-9, 633-5, 685-7, 735-7, 781-4 O 2-30 '13
Wire drawing: methods and machines used in manufacture. E. V. Oberg. Il Sci Am S 75:184-6 Mr 22 '13
Wire industry. Sci Am 109:78 J1 26 '13

See also Cables; Electric wire and wiring

Wire rope

Bending stresses in hoisting rope. Eng & Min J 95:707-8 Ap 5 '13
Chart for calculating hoisting ropes. Eng & Min J 95:616 Mr 22 '13
Efficiency of wire rope fastenings. Eng & Min J 95:472 Mr 1 '13
Hoisting ropes. W. D. Lloyd. Colliery 33: 578-9 My '13
Hoisting ropes in actual performance. Eng & Min J 95:1095-6 My 31 '13
Method of calculating size of hoisting rope. Eng & Min J 95:997-8 My 17 '13
Strength of wire rope drums. R. H. Crevoisie. Mach 19:580 Ap '13
Wire mill and rope works of the Macomber & Whyte rope co. at Kenosha, Wis. plan Iron Tr R 52:249-50 Ja 23 '13

Wire spokes

Waterbury Farrel wire spoke machines. Il Mach 19:809-10 Je '13

Wireless telegraph

American-Brench radio time signal experiments. Sci Am 109:455 D 13 '13
Antenna resistance. L. W. Austin. U S Bur Stand Bul 9:65-72 Mr 15 '13
Apparatus for automatic transmission and reception of wireless messages. L. Fournier. Il diag Sci Am 109:458 D 13 '13
Best wave-length for wireless. Elec R & W Elec'n 62:105 Ja 11 '13
Commercial wireless telegraph development. J. Bottomley. Elec W 61:25-6 Ja 4 '13
Construction of a one-kilowatt closed core wireless transformer. Il Sci Am 109:288 O 11 '13
Determining position at sea by wireless. J. Erskine-Murray. Il Eng M 44:949-51 Mr '13
Experiments with umbrella antenna. J. O. Mauborgne. Elec W 61:47 Ja 4 '13
Fessenden wireless patents upheld by U. S. Circuit court of appeals. Elec W 62:939 N 8 '13
Fort Myer wireless telegraph station. D. H. Tuck and M. B. Hodgson. Il Elec W 61:145-6 Ja 18 '13; Eng M 44:943-6 Mr '13
Great world wireless circuit. J. F. Springer. Il Sci Am 109:488 D 27 '13
Heterodyne receiving system. Elec W 61: 1298 Je 14 '13
High-frequency alternators for radio-telegraphy. Elec W 62:934 N 8 '13
High-frequency generator for wireless telegraphy and telephony. E. F. W. Alexander-son. Il Sci Am S 75:328-30 My 24 '13
Local absorption in radiotelegraphy. Elec W 61:331 F 15 '13
Local absorption in radiotelegraphy. A. H. Taylor. Elec W 61:350 F 15 '13
Long-distance radio-telegraphy. Elec W 61: 127 Ja 18 '13
Nature of radio-telegraph waves. Sci Am 109:240 S 27 '13
Navy to determine longitude by wireless; also speed of Hertzian waves. L. E. Browne. Sci Am 109:103 Ag 2 '13
Problems in wireless telegraphy. J. A. Fleming. Sci Am S 75:301-3 My 10 '13

Quantitative results of recent radio-telegraphic tests between Arlington, Va., and U. S. S. Salem. J. L. Hogan, jr. Elec W 61:1361-6 Je 21 '13

Time signals by wireless telegraphy: hourly signals transmitted from the Eiffel tower and the accurate determination of longitude by these means. G. Ferrié. Eng M 45:719-21 Ag '13

United States navy wireless station, Arlington, Va. Il Elec W 61:721-4 Ap 5 '13

Wireless and sound signals as aids to navigation. L. E. Browne. Il Sci Am 109:50 J1 19 '13

Wireless and weather. A. H. Taylor. maps Elec W 62:425-7 Ag 30 '13

Wireless for railroad trains. Il Sci Am 109: 432 D 6 '13

Wireless telegraph transmission towers. J. Stedman. Il Iron Age 92:891-2 O 23 '13

Wireless telegraphy and telephony in 1912. Elec R & W Elec'n 62:8-9 Ja 4 '13

Wireless telegraphy for railway trains. Eng N 70:1246 D 18 '13

See also Syntonzers

Wireless telephone

High-frequency generator for wireless telegraphy and telephony. E. F. W. Alexander-son. Il Sci Am S 75:328-30 My 24 '13

Wireless train control. F. C. Coleman. Sci Am 109:428 D 6 '13

Wiring, Electric. See Electric conductors; Electric wire and wiring

Wisconsin**Capitol**

Dome of the Wisconsin capitol. Il plans Eng N 70:389-95 Ag 28 '13

Law

Wisconsin water power law. Eng N 70:768 O 16 '13

Wisconsin electrical association

Account of annual meeting, 1913, and abstracts of papers. Elec Ry J 41:106-15 Ja 18 '13

Fifth annual meeting, Milwaukee, 1913. Elec W 61:181-3 Ja 25 '13

Wisconsin master plumbers' association

19th annual convention, Milwaukee, Jan., 1913. Il Dom Eng 62:104-9 Ja 25 '13

Wisconsin public service commission

Commission control of public utilities. Elec W 62:531-3 S 13 '13

Wisconsin railroad commission

Functions of a technical staff in the regulation of public utilities. W: D: Pence. Eng Rec 67:260-2 Mr 8 '13; Same cond. Elec W 61:489 Mr 8 '13

Witnesses

See also Engineers as witnesses

Wolverine (warship)

Old-time war vessel, Wolverine, on the Great Lakes. N. Wilber and L. Isaacs. Il plans Int Marine Eng 18:524-30 D '13 (to be cont)

Woman**Employment**

Rutherford, N. J., has a woman plumber. Dom Eng 64:244 Ag 30 '13

Women as typewriters

Are men better typists than women? C. E. Smith. Sci Am 109:411 N 29 '13

Are men better typists than women? scientific tests made by J. M. Lahy, J. Boyer. Il Sci Am 109:316 O 25 '13

Wood

Against the sun: spiral twists in nature. A. H. Kennedy. Il Sci Am S 75:396-7 Je 21 '13

How to select and care for pattern lumber. E. F. Lake. Foundry 41:434-6 O '13

Mechanical properties of woods grown in the United States; summary of tests. U S Forest Serv Circ 213:1-4 '13

Merits of different woods for street paving. H. G. Davis. Eng N 69:802 F 13 '13

Pith-ray flecks in wood. H. P. Brown. bib-log Il U S Forest Serv Circ 215:5-15 '13

INDUSTRIAL ARTS INDEX

ad—Continued.

- Popular ignorance about our common woods.** Sci Am 108:153 F 15 '13
- Resonance in wood.** Sci Am 109:190 S 6 '13
- Uses of commercial woods of the United States.** H. Maxwell. U S Agric Bul 12:1-56 '13
- See also* Forests and forestry; Lumber; Planing mills; Sawmills; Timber; Wood preservation; Wood pulp; Wood waste; Woodwork; also Fir; Gambia mahogany; Greenheart; Larch; Oak; Mangrove
- Wood distillation**
Chemical treatment of waste wood. H. K. Benson. II Sci Am S 75:363-5 Je 7 '13
Utilization of wood waste: steam distillation. J. E. Teeple. II Met & Chem Eng 11:247-9 My '13
- Wood finishing**
See also Lacquer; Painting; Structural
- Wood pavements.** *See* Pavements, Wood
- Wood pipe.** *See* Pipes, Wood
- Wood preservation**
American wood preservers' assn., 1913: concluding sessions. Elec Ry J 41:220-1 F 1 '13
American wood preservers' assn., 9th annual convention, 1913. Ry & Eng R 53:78-81 Ja 25 '13
Am. wood preservers' association: report of 9th annual convention, 1913. Eng Rec 67:sup 40-1 F 1 '13
American wood preservers' convention: abstracts of papers presented at the ninth annual meeting. Ry Age 54:164-76 Ja 24 '13
American wood preservers' convention, 1913: with abstracts of four papers by H. F. Weiss, J. H. Waterman, H. Von Schrenk, and H. G. Davis. Elec Ry J 41:150-5 Ja 25 '13
Annual convention of American wood preservers assn., 1913. Eng N 69:226-7 Ja 30 '13
Baltimore & Ohio timber-treating plant. Green Spring, W. Va. F. J. Angier. II plan. Eng Rec 67:572-4 My 24 '13; Same. Ry & Eng R 53:451-3, My 17 '13; Same. Eng N 63:1182-3 Je 5 '13
Comparative economy of treated ties. R. J. Parker. Ry Age 54:1083-5 My 16 '13
Condition of experimental telegraph poles, treated and untreated, after eight years' service. C. H. Teesdale. Eng N 70:1084-6 N 27 '13
Creosoted wood blocks for factory and warehouse floors. F. A. Weaver. Eng Rec 68:185-6 Ag 16 '13
Creosoted wood blocks for floors. E. A. Sterling. Eng M 44:276-8 N '13
Creosoting plant near Connellsville, Pa. II Ry Age 54:510-1 Mr 14 '13
Development and status of the wood preserving industry. E. A. Sterling. II Sci Am S 76:24-7 Jl 12 '13
Effect of initial air pressure on penetration of creosote. R. S. Belcher. Eng Rec 67:299 Mr 15 '13
Experiments in the preservative treatment of cross-ties. Eng Rec 67:728-9 Je 28 '13
Experiments in the preservative treatment of red-oak and hard-maple cross-ties. F. M. Bond. II U S Forest Serv Bul 126:9-12 '13
Galesburg tie plant of the C. B. & Q. II plan Ry Age 54:906-9 Ap 18 '13
Light versus heavy treatment of timber. W. F. Goltra. Ry Age 54:153 Ja 24 '13
Long life of untreated timber in trestles. Eng Rec 68:542 N 15 '13
Natural and artificial seasoning of Douglas fir for treatment. F. D. Beal. Ry & Eng R 53:142-3 F 15 '13
Powell saccharine process for preserving timber. R. E. Neale. Ry & Eng R 53:1143-4 D 13 '13; Same cond. Eng M 46:437-9 D '13
Present status of timber preservation. Elec Ry J 41:182 F 1 '13
Preservation of lumber for car construction. J. H. Waterman. Ry & Eng R 53:101 F 1 '13
Preservation of poles by kyanizing. Ry & Eng R 53:1054 N 15 '13
Preservation of timber. Ry Age 55:791-3 O 24 '13
Preservation of timber; abstracts of three papers by H. Von Schrenk, F. M. Bond, and H. F. Weiss at annual meeting of American wood preservers' assn., Jan. 1913. Eng Rec 67:108-10 Ja 25 '13
Preservation of wood. Sci Am 108:563 Je 21 '13
Preservation tests on poles. Eng & Min J 95:8'8 My 3 '13
Preservative treatment of poles. R. A. Griffin. Eng N 70:61-2 Jl 10 '13
Railroad ties purchased in 1911. Ry & Eng R 53:756-7 Ag 9 '13
Report of committee of American railway engineering assn. on wood preservation. Ry Age 54:624-5 Mr 20 '13
Requirements for successful timber treatment. H. Von Schrenk. Ry & Eng R 53:141-2 F 15 '13
Ties bought and treated in 1911. Eng Rec 68:182 Ag 16 '13
Timber treating plant of the Baltimore & Ohio. F. J. Angier. II Ry Age 54:1569-72 Je 20 '13
Treated versus untreated ties. R. J. Parker. Eng M 45:741-4 Ag '13
Treating plant for Central of Georgia. II plan Ry Age 54:341-3 F 21 '13
Treatment of Douglas fir with creosote oil. G. A. Coleman. Ry Age 54:346-7 F 21 '13
Wood preservation with asphaltic material. Munic Eng 44:192-3 Mr '13
See also Creosote; Dry rot
- History**
History of wood preservation. W. F. Goltra. Ry Age 54:169-70 Ja 24 '13
- Wood preservers' association.** *See* American wood preservers' association
- Wood pulp**
Grinding of spruce for mechanical pulp. J. H. Thickers. II U S Forest Serv Bul 127:1-54 '13
How trees are converted into paper. T. J. Keenan. II Sci Am 109:256-8 O 4 '13
Octopus of the spruce forest. W. H. Kemper. II Sci Am S 76:216-7 O 4 '13
See also Paper
- Wood waste**
Chemical treatment of waste wood. H. K. Benson. II Sci Am S 75:363-5 Je 7 '13
Economic combustion of low-grade or waste fuels. D. M. Myers. diags Eng M 45:227-40 My '13
Installation of a power plant of 100 H. P. in factory having large quantities of wood waste available. R. E. Mathot. Am Soc M E J 35:332-4 F '13
Pulp and paper and other products from waste resinous woods. F. P. Veltch and J. L. Merrill. U S Bur Chem Bul 159:1-28 '13
Utilization of hardwood waste. Iron Age 91:1117 My 8 '13
Utilization of waste wood: raw materials. J. E. Teeple. Met & Chem Eng 11:75-6 F '13
Utilization of wood waste: steam distillation. J. E. Teeple. II Met & Chem Eng 11:247-9 My '13
Wood waste utilization: the industry in its relation to expert advice. J. E. Teeple. Met & Chem Eng 11:23-4 Ja '13; Same. Sci Am S 75:99 F 15 '13
See also Sawdust
- Woodwork**
Industrial methods of bending wood. Sci Am S 76:160 S 6 '13
See also Planing mills
- Woodworking machinery**
Equipment needs of lumber manufacturers. Iron Age 91:774-5 Mr 27 '13
See also Lathes; Planing machines; Saws
- Woodworking shops**
New woodworking shop of Omaha & Council Bluffs street railway. II plans Elec Ry J 41:750-2 Ap 26 '13

Wool

See also Woolen and worsted manufacture

Woolen and worsted manufacture

Pulled wool or shoddy. H. Priestman. *Sci Am* S 75:223-4 Ap 6 '13

Woolen industry and the tariff. J. E. Fletcher. *Am Ind* 13:26 Ja '13

See also Textile industry and fabrics

Woolworth building, New York (city)

Description. C. Gilbert. *Il plans Arch & Bldg* 45:277-99 JI '13

Design of the Woolworth building. S. F. Holtzman. *Il plans Eng Rec* 68:22-4 JI 6 '13

Power plant of Woolworth building. T. Willson. *Il plans Power* 37:884-9 Je 24 '13

Tallest office building in the world. *Il Sci Am* 108:224-5 Mr 8 '13

Towers of Manhattan and notes on the Woolworth building. M. Schuyler. *Il Arch Rec* 33:98-122 F '13

Vacua hot-water heating applied to Woolworth building. I. N. Evans. *plans Power* 38:644-8 N 4 '13

Water-supply system in the fifty-five-story Woolworth building, New York. *plan Eng Rec* 68:44-5 JI 12 '13

World's highest office building; elevator equipment, safety features, generating plant and wiring. C. E. Knox. *Il diag Elec W* 62:125-31 JI 19 '13

Worcester consolidated railway company

Hydroelectric energy for Worcester railway system. *Il map Elec W* 62:685-8, 737-40 O 4-11 '13

Word division

Word-division. F. H. Teall. *Inland Ptr* 52:426-7 D '13

Worde, Wynkyn de, d. 1534

Printers of note. W. C. Bleloch. *Il Inland Ptr* 51:681 Ag '13

Words

See also Compound words; Synonyms and antonyms; Word division

Working day. See Hours of labor**Workmen's compensation**

Development of compensation legislation. F. C. Schwedtmann. *Am Ind* 13:25 Ja '13

Discussion by National founders' association. *Iron Tr R* 53:992-5 N 27 '13

Messages of the governors. *Elec Ry J* 41:74-5, 160-1 Ja 11, 25 '13

Model compensation acts. *Am Ind* 13:24-6 F '13

Ohio compensation law declared defective. *Iron Age* 91:374-5 F 6 '13

Ohio's compulsory liability insurance law. *Iron Tr R* 52:584 Mr 6 '13

Operation of workmen's compensation laws. *Iron Age* 92:1248-51 N 27 '13

Washington workmen's compensation act and results of its first year of administration. L. R. W. Allison. *Eng N* 69:1005-7 My 15 '13

Workmen's compensation. *Ry & Eng R* 53:913 S 27 '13

Workmen's compensation act of the state of Washington. J. T. Rupli. *Elec Ry J* 42:138-9 JI 26 '13

Workmen's compensation and employer's insurance in California. *Eng & Min J* 95:1274-6 Je 28 '13

Workmen's compensation laws. A. Belmont. *Elec Ry J* 41:214-5 F 1 '13

Workmen's compensation laws in the United States. C. E. Hodges. *Ind Eng* 13:61-4 F '13

Workmen's compensation legislation. E. H. Brown. *Ry Age* 55:1180-1 D 19 '13

Workshop management

Bettering the efficiency of the structural shop. E. J. Knapp. *Eng M* 45:81-8 Ap '13

Lessons of Gilbert & Barker shops, Springfield, Mass. J. Nelson. *Il plans Iron Age* 91:15-9 Ja 2 '13

Making an accurate delivery promise. S. Dean. *Iron Age* 91:63-4 Ja 2 '13

New methods of distributing time in the shops of the Indianapolis traction & terminal co. *Il Elec Ry J* 42:464-5 S 20 '13

Operating details of Dodge brothers plant, Detroit. *Il Iron Age* 91:144-6 Ja 9 '13

Practical design as it concerns the shop. E. J. Knapp. *Eng M* 46:415-6b D '13

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